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TRANSCRIPT OF RECORD

Defendants' Exhibits

VOLUME I

IN THE

DISTRICT COURT OF THE UNITED STATES

For the District of New Jersey

United States of America

vs.

United States Steel Corporation and others

UNITED STATES

vs.

UNITED STATES STEEL CORPORATION.

DEFENDANTS' EXHIBITS, VOL. I.

Defendants' Exhibit	*Subject*	*Page*
No. 1,	Annual capacities of Structural Steel Shops, (1901-1911)	1
No. 2,	Bids Tendered and Orders Taken, by American Bridge Company, (1902-1910)	2
No. 3,	Summary of Capacity of Bridge Building Works, (1903 Supplement to A. I. & S. Association's Directory)	3
No. 4,	List of Competitors of American Bridge Co. Operating Shops, May 16, 1904	4
No. 5,	List of Competitors of American Bridge Co. Operating Shops, May 15, 1905	19
No. 6,	List of Competitors of American Bridge Co. Operating Shops, May 15, 1906	34
No. 7,	List of Competitors of American Bridge Co. Operating Shops, May 15, 1907	48
No. 8,	List of Competitors of American Bridge Co. Operating Shops, May 15, 1908	63
No. 9,	List of Competitors of American Bridge Co. Operating Shops, May 15, 1909	81
No. 10,	List of Competitors of American Bridge Co. Operating Shops, May 15, 1910	99
No. 11,	List of Competitors of American Bridge Co. Operating Shops, May 15, 1911	118
No. 12,	Page 1682 Stanley Hearings. Statement dated Nov. 6, issued by Oakleigh Thorne, President Trust Co. of America	138

Defendants' Exhibit	*Subject*	*Page*
No. 13,	Portion of Article from The Evening Post of Tuesday, Oct. 22, 1907; Extra with last edition. Column headed "Trust Co. Closes."	140
No. 14,	Portion of article from New York Tribune of Wednesday, October 23, 1907; Column headed "Knickerbocker Trust Company Shut."	141
No. 15,	Statement showing a list of dismantled companies	143
No. 16,	Supplement to the Iron and Steel Works Directory, 1900, corrected to February, 1900	145
No. 17,	Statistics of the American and Foreign Iron Trades for 1899, presented to the members May 25, 1900	145
No. 18,	Extract from pages 26 and 27 of The Statistics of American and Foreign Iron Trades for 1897 entitled, "Lower prices of iron and steel"	146
No. 18a,	Extract from page 29 of The Statistics of American and Foreign Iron Trades for 1897 entitled, "Average yearly prices of Iron and Steel"	147
No. 19,	Extract from page 97 of The Statistics of American and Foreign Iron Trades for the year 1910 showing total production of finished rolled iron and steel	148
No. 20,	Tables showing the production of rolled iron and steel (Exclusive of Pig Iron, etc.) for home consumption	149
No. 21,	Statistics of the American and Foreign Iron Trades for 1905	159
No. 22,	Letter, November 7, 1907, to Elihu Root from E. H. Gary	159
No. 23,	Letter, November 11, 1907, to E. H. Gary from Elihu Root	160

Defendants' Exhibit	*Subject*	*Page*
No. 24,	Letter, November 20, 1907, to E. H. Gary from Elihu Root	160
No. 25,	Letter, November 11, 1907, to Theodore Roosevelt, President, from Elihu Root	161
No. 26,	Letter, November 19, 1907, to Secretary Elihu Root, from Theodore Roosevelt, President	161
No. 27,	Letter, November 9, 1905, to E. H. Gary, from James Rudolph Garfield	162
No. 28,	Memorandum enclosed in above letter giving synopsis of conference at White House, Evening November 2, 1905, between the President, Secretary Metcalf, Judge Gary, Richard Trimble, Commissioner Garfield	162
No. 29,	Pig Iron production by grades by the United States Steel Corporation and by the independent companies from 1901 to 1910, inclusive	164
No. 30,	Imports of Ferro-Manganese into the United States from 1901 to 1910 and value at foreign port of shipment	165
No. 31,	Extract from minutes of the Carnegie Steel Company for October 16, 1900	166

DEFENDANTS' EXHIBIT NO. 1,
(Date. May 24, 1912.)

Report No. 1

ANNUAL CAPACITIES OF STRUCTURAL STEEL SHOPS

(N.T.)

	YEAR	COMPETITORS	A.B.CO.	Mo.	TOTAL	PERCENTAGE A.B.CO. CAPACITY
	1901	No Record	627000	(52250)	---	----
	1902	do.	621000	(51750)	---	----
	1903	do.	645000	(53750)	---	----
Feb.-	1904	1016000	624000	(52000)	1640000	38.0
Jan.-	1905	1095000	621600	(51800)	1716600	36.2
Jan.-	1906	1125000	670800	(55900)	1795800	37.4
Jan.-	1907	1205000	679200	(56600)	1884200	36.0
Jan.-	1908	1491000	708000	(59000)	2199000	32.2
Jan.-	1909	1475000	720000	(60000)	2195000	32.8
Jan.-	1910	1483000	691800	(57650)	2174800	31.8
Jan.-	1911	1739000	750000	(62500)	2489000	30.1

DEFENDANTS' EXHIBIT NO. 2,

(Date, May 24, 1912)

Report No. 2

YEAR	BIDS TENDERED DOMESTIC (N.T.)	BIDS TENDERED EXPORT (N.T.)	BIDS TENDERED TOTAL (N.T.)	ORDERS TAKEN DOMESTIC (N.T.)	ORDERS TAKEN EXPORT (N.T.)	ORDERS TAKEN TOTAL (N.T.)	PERCENTAGE Incl. Export	PERCENTAGE Excl. Export
1902	1222484	57415	1279897	491060	6184	497244	38.8	40.2
1903			*1002921			*414337	41.3	----
1904	989160	12892	1002052	388770	13414	402184	40.1	39.3
1905	1285767	48243	1334010	609232	28912	638144	47.8	47.4
1906	1181087	46933	1228020	498404	48303	546707	44.5	42.2
1907	1084916	53699	1138585	405463	42678	448141	39.3	37.3
1908	970347	24599	994946	224771	23346	248117	24.9	23.2
1909	1634678	39431	1674109	577561	38713	616274	36.8	35.3
1910	1293004	35908	1328912	366454	30078	396532	29.8	28.4

*Domestic and Export not separated in records for this year
The annual Production will not agree with above figures for work taken year by year, but the tonnage for a number of years will practically equal the tonnage taken for the same period.

DEFENDANTS' EXHIBIT NO. 3,

(Date, May 24, 1912.)

SUMMARY OF CAPACITY OF BRIDGE BUILDING WORKS

Pages 12 to 22 - 1903 Supplement of A. I. & S. Association's Directory

	Net Tons	Per Cent.
AMERICAN BRIDGE COMPANY		
(Exclusive of Ambridge, then building),	645,120	33.1
Ambridge, actual capacity January, 1903,	24,000*	1.2
Total, American Bridge, ...	669,120	34.3
ILLINOIS STEEL COMPANY, ...	16,800	.8
Total, Corporation, ...	685,920	35.1
ALL OTHER WORKS, ...	1,267,448	64.9
Total, United States, ...	1,952,368	100.0

*The Association's Directory shows Ambridge as building with a total capacity when completed of from 201,000 to 270,000 net tons. In 1903 this plant had in operation a capacity of only 24,000 net tons. It was not completed to its full capacity until 1906.

DEFENDANTS' EXHIBIT NO. 4. (Date, May 24, 1912.)
LIST OF COMPETITORS OPERATING SHOPS, May 16, 1904.

NAME	LOCATION	ANNUAL CAPACITY IN TONS	CLASS OF WORK
Adams, J. D. & Co.	Indianapolis, Ind	600	Light Struct & Highway
Aetna Iron Works.	St. Louis, Mo.	3,000	" " " "
Albree, Chester B.I.Works	Allegheny, Pa.	1,000	" " " "
Althouse Wheeler Co.	Waupon, Wis.	1,000	" " " "
American Struct. Steel.	Carnegie, Pa.	4,000	Structural & Highway
Anderson Bridge Co.	Anderson, Ind.	100	Highway
Armourdale Fdry. Co.	Armourdale, Kan.	4,500	Structural
Ashland Iron & Steel Co.	Ashland, Wis.	100	Light Structural.
Attica Bridge Co.	Attica, Ind.	1,200	Highway Bridges
Archibald-Brady Co.	Syracuse, N. Y.	1,200	Structural
Baltimore Bridge Co.	Baltimore, Md.	9,600	R.R.Structural & Hwy.
Baker Iron Works	Los Angeles, Cal.	2,500	Structural & Highway
Bancroft, C. P.	Philadelphia, Pa.	400	Light Structural
Banner Iron Works.	St. Louis, Mo.	4,000	Structural & Highway
Bayley, Wm. & Sons Co.	Milwaukee, Wis.	1,200	" " "
Bedell, Chars. Iron Works	New Orleans, La.	2,500	" " "
Belleville Foudry.	Belleville, Ill.	900	" " "

Belmont Iron Works.	Philadelphia, Pa.	5,000	Structural.
Berlin Construction Co.	Berlin Conn.	3,600	" & Highway
Bellefontaine B.& I. Co.	Bellefintain, O.	1,500	Light Struct & Highway
Bogert & Carlough Co.	Paterson, N. J.	500	Structural & Highway
Bolinger, C. L. & Co.	Pittsburg, Pa.	2,000	Light Struct & Highway
Bolter, A. & Sons.	Chicago, Ill.	500	" " " "
Boston Bridge Works.	Boston, Mass.	18,000	R.R.Struct & Hwy Bdge.
Brode & Clark Iron Wks.	San Francisco, Cal.	1,000	Light Struct. & Highway
Bros Brothers.	Minneapolis, Minn.	7,000	" " " "
Brown-Ketchum.	Indianapolis, Ind.	18,000	Structural & Highway
Brown-Ketchum.	Greensburg, Pa.	12,000	" " "
Braman, O. E.	Jefferson, Wis.	100	Light Structural.
Buffalo Struct. Steel Co.	Buffalo, N. Y.	4,500	Structural & Highway.
Buffalo Construction Co.	Buffalo, N. Y.	1,200	" " "
Cambria Steel Co.	Johnstown, Pa.	2,000	R.R.Structural & Hwy.
Canton Bridge Co.	Canton, O.	2,000	Highway
Capital Iron Works	Topeka, Kan.	3,700	Light Structural.
* Carnegie Steel Co.	Pittsburg, Pa.	40,000	Beam & Fitted Work.
Carlin, Thomas.	Pittsburg, Pa.	2,000	Light Structural.
Central Iron Works.	Des Moines, Ia.	1,000	" "
Champion Iron Works.	Canton, O.	1,500	" "
Champion Iron Works.	Wilmington, O.	1,500	" "

Chicago Bridge & Iron Works.	Chicago, Ill.	15,000	Light Structural
Christopher & Simpson. Arch. Iron & Foundry Co.	St. Louis, Mo.	5,000	Structural
Carolina Steel Bridge & Construction Co.	Burlington, N. C.	10,000	R.R. & Highway.
Clapp, Geo. B.	Philadelphia, Pa.	400	Light Structural.
Clark & Stowe.	Brooklyn, N. Y.	100	Light Structural
Colnick, C. Mnfg. Co.	Milwaukee, Wis.	100	" "
Colorado Iron Works.	Denver, Col.	4,500	Highway & Structural
Columbia Machine Co.	Portland, Ore.	100	Light Struct & Highway
Converse Bridge Co.	Chattanooga, Tenn.	1,000	" " " "
Cornell, J. B. & J. M.	New York, N. Y.	20,000	Structural.
Cooper-Wingand Co.	New York, N. Y.	2,400	"
Crescent Iron Works.	Springfield, Mo.	3,700	"
Crown Iron Works.	Minneapolis, Minn.	30,000	Light Structural.
Cuff Iron Works.	Appleton, Wis.	100	" "
Columbia Fdry. & Mchn. Co.	St. Joseph Mo.	500	" "
Davis, F. M. Iron Works.	Denver, Col.	1,000	" " & Hwy.
Davenport Fdry. & Mchn. Co.	Davenport, Ia.	500	" " " "
Dauchy Iron Works.	Chicago, Ill.	500	" "
Dauphin Bridge & Const. Co.	Dauphin, Pa.	3,000	" " " "
Dearborn Foundry Co.	Chicago, Ill.	5,000	" "

Denver Wire & Iron Works.	Denver, Col.	3,700	Light Structural.
Des Moines Brdg. & Iron Wks.	Des Moines, Ia.	900	" " & Hwy.
Dimond, Thomas.	New York, N. Y.	1,500	Structural.
Dugro, Phillip	Brooklyn, N. Y.	200	"
Dyer Brothers.	San Francisco, Cal.	3,000	"
Eagle Iron Works.	Brooklyn, N. Y.	100	Light Structural.
Eastern Bridge & Const Co.	Worcester, Mass.	3,600	R.R. Hwy. & Struct.
Eastern Fdry. & Mchn. Co.	Easton, Pa.	1,500	Structural & Highway.
Eau Clair. Fur. & Heat. Co.	Eau Clair, Wis	100	Light Structural.
Eichley, John Jr.	Pittsburg, Pa.	4,500	Structural
Elizabeth Bridge Co.	Elizabeth, Ill.	12,000	Highway & Structural
Elkhart Bridge Co.	Elkhart, Ind.	1,000	Highway.
Enterprise Iron Works.	Albert Lea, Minn.	50	Light Structural.
Excelsior Rolling Mills.	Alleman, Wis.	100	" "
East Chicago Brdg. & I.Wks.	East Chicago, Ill	3,600	Highway & Structural
Fagan Iron Works.	Jersey City, N. J.	4,800	Structural
Fair-Williams & Co.	Ottawa, Ia.	900	Light Structural.
Fairbault Machine Co.	Fairbault, Minn.	50	" "
Felgenhauser, E. & Sons,	Brooklyn, N. Y.	100	" "
Fisher, H. C.	Brooklyn, N. Y.	100	" "

Fluegal, Anton	Brooklyn, N. Y.	100	Light Structural
Friberg, Charles A.	Brooklyn, N. Y.	100	" "
Forest City Iron Works.	Cleveland, O.	4,000	Structural & Highway.
Fort Pitt Bridge Works.	Pittsburg, Pa.	15,000	Structural & Highway.
Fletcher & Crowell.	Portland, Me.	1,200	Light Structural.
Funk Boiler Works.	La Crosse, Wis	1,000	Light Structural.
Garrett Bros.	St. Louis, Mo.	2,000	Light Structural.
Garry Iron & St. Co.	Cleveland, O.	3,000	" "
Goeller Iron Wks.	Newark, N. J.	500	Light struct. & hwy.
Gerst Eng. Co.	Bethlehem, Pa.	1,200	" " "
Globe Iron & Fdry. Co	St. Louis, Mo.	3,500	Light structural.
Greenslate Fdry. Co.	Milwaukee, Wis.	1,200	" "
Groton Bridge Co.	Groton, N. Y.	1,200	Light structural & hwy.
Guerber Eng. Co.	Bethlehem, Pa.	1,200	" " "
Halsted, Jos.	Chicago, Ill.	500	Light structural.
Hansell-Elcock Fdry. Co.	Chicago, Ill.	8,000	Struct. & Highway.
Harris Mach. Co.	Minneapolis, Minn.	3,500	Light Structural.
Harrower, H. C.	Buffalo, N. Y.	2,000	Structural.
Hackworthy Cons. Co.	Appleton, Wis.	2,000	Light struct. & hwy.
Hassell Iron Wks.	Colorado Springs.	4,000	" " "
Hathorne Fdry. & Mach. Co.	Mason City, Ia.	1,200	Light structural.

Haugh-Noelke Iron Works.	Indianapolis, Ind.	6,000	Light structural.
Hay Fdry. & Iron Wks.	Newark, N.J.	6,000	Structural.
Hafers, Chris. I. Wks.	New York City.	1,000	Light structural.
Happel, Adam.	New York City.	1,000	" "
Howell, H. M. & Co.	New York City.	500	" "
Hedden Iron Cons.Co.	Newark, N. J.	200	" "
Herzog Iron Works.	St. Paul, Minn.	2,000	Structural.
Heyl-Patterson.	Pittsburg, Pa.	5,000	"
Hecla Iron Works.	Brooklyn, N. Y.	1,000	"
Hinkel Iron Co.	New York City.	500	Light Structural.
Hofius W. P. & Co.	Seattle, Wash.	100	Light structural & hwy.
Holmes, Poytt & Co.	Chicago, Ill.	600	" " "
Horn-Jenett Iron Wks.	Chicago, Ill.	600	" " "
Illinois Bridge Co.	Jacksonville, Ill.	2,500	Light struct. & Hwy.
Indiana Bridge Co.	Muncie, Ind.	6,000	" " "
Indianapolis Bridge Co.	Indianapolis, Ind.	2,500	" " "
Iowa Iron Wks.	Dubuque, Ia.	10,000	" " "
Iron City Mfg. Co.	Pueblo, Col.	3,500	" " "
Iron Substructure Co.	Columbus, O.	500	" " "

Jardin, John.	Farho, N. D.	100	Light struct. & Hwy.
Johnson, O. H.	Minneapolis, Minn.	50	" " "
Joliet Bridge & Iron Co.	Joliet, Ill.	3,600	" " "
Judson Mfg. Co.	Oakland, Cal.	5,000	" " "
Jones & Laughlin, Ltd.	Pittsburgh, Pa.	30,000	R.R., Struct. & Hwy.
Jones, Benj. F.	New York City.	200	Light structural.
Kansas City Wire & I. Wks.	Rosedale, Kan. Riverside, Kan.	5,000	Struct. & hwy.
Kent, W. B. I. Co.	Chicago, Ill.	600	Light structural.
Kent Woodbridge Co.	Chicago, Ill.	6,000	Light struct. & hwy.
Killeen Fdry. Co.	New Orleans, La.	2,200	" " "
King, Geo. E.	Des Moines, Ia.	2,500	Highway.
King Bridge Co.	Cleveland, O.	15,000	R.R., Highway & Struct.
Keystone Cons.Co.	Royersford, Pa.	5,000	R.R., Highway & Struct.
Kratzer & Co.	Pittsburgh, Pa.	3,000	Light structural.
Kretz, K. E.	St. Cloud, Minn.	50	" "
Kunert, Mfg. Co.	Watertown, Wis.	300	" "
LaCrosse Steel Roofing & Corrugated Co.	LaCrosse, Wis.	600	Light structural.
LaCrosse Bridge & I. Co.	" "	600	Light struct. & hwy

Laman Bros.	Pueblo, Col.	5,500	Struct. & hwy.
Levering & Garrigues.	New York City.	5,000	Structural.
Llewellyn Iron Wks.	Los Angeles, Cal.	2,500	Light structural.
Louisville Bridge Co.,	Louisville, Ky.	5,000	Struct. & hwy.
Lewinson & Co.	New York City.	600	Beam work.
Lewis, Jas. B. & Co.	Detroit, Mich.	3,000	Light structural.
Maitland, F. B.	Montello, Wis.	100	Highway.
Manitowoc Steam Boiler Works.	Manitowoc, Wis.	100	"
Massillon Bridge Co.	Massillon, O.	3,500	R.R., Struct. & hwy.
Minneapolis Steel & Mach. Co.	Minneapolis, Minn.	18,000	" " "
Missouri Bridge Co.	East St. Louis, Ills.	100	Highway.
Missouri Valley Bridge & Iron Co.	Leavenworth, Kans.	3,600	R.R., & Highway.
Modern Steel Structural Co.	Waukesha, Wis.	10,000	Highway & Struct.
Mosher Fdry. Co.	Dallas, Tex.	2,700	Structural.
Michigan Bridge Co.	Portland, Mich.	500	Light struct. & Hwy.
Myer Bros.	Mankato, Minn.	100	" " "
McCullough, Geo.	Hammond, Wis.	100	" " "

Mesker Bros.	St. Louis, Mo.	800	Light struct. & Hwy
Morava Cons. Co.	Chicago, Ill.	2,500	" " "
Mt. Vernon Bridge Co.	Mt. Vernon, O.	3,500	" " "
Megquire & Jones.	Portland, Me.	3,000	" " "
Mehan Arch. Cons. Co.	New York City.	600	Light structural.
Milliken Bros.	New York City.	36,000	R.R., Hwy. & Struct.
McClintic-Marshall Co.	Pittsburgh, Pa.	25,000	" " "
" "	Pottstown, Pa.	15,000	" " "
McDonald Eng. Co.	Chicago, Ills.	500	Light structural.
McCarthy, A. F.	Philadelphia, Pa.	400	" "
Milwaukee Bridge Co.	Milwaukee, Wis.	1,000	Highway.
McKay, Thomas.	New York City.	500	Light structural.
McMurray & Bro. (R.T.)	Brooklyn, N. Y.	100	" "
National Iron Works.	St. Louis, Mo.	600	Light structural.
New Castle Bridge Co.	New Castle, Ind.	3,000	Highway & Structural.
New Prague Fdry. Co.	New Prague, Minn.	1,100	Light structural.
New England Struc. Co.	Boston, Mass.	12,000	Structural.
N. Y. Bridge & Iron Co.	New York City.	300	Light struct. & hwy.
New Jersey Bridge Co.	Manasquan, N. J.	5,000	Highway.
Noble, Patrick.	San Francisco, Cal.	2,000	structural.
Northwestern Fdry. Co.	Minneapolis, Minn.	4,000	Structural.

Obemberger, G., Forge Wks.	Milwaukee, Wis.	100	Light structural.
Oklahoma Fdry Co.	Oklahoma City, O.T.	100	" "
Oregonia Bridge Co.	Oregonia, O.	1,100	Light struct. & Hwy.
Owego Bridge Co.	Owego, N. Y.	4,800	R.R., Highway & struc.
Pacific Rolling Mills Co.	San Francisco, Cal.	2,500	Structural & Highway.
Pacific Iron Wks.	Portland, Ore.	100	Light structural.
Pan-American Bridge Co.	New Castle, Ind.	1,000	Light struct. & Hwy.
Parker, T. A.	Terre Haute, Ind.	1,500	" " "
Passaic Rolling Mills Co.	Paterson, N. J.	24,000	R.R., Highway & Struct.
Paxton & Vierling.	Omaha, Neb.	4,000	Structural.
Pennsylvania Steel Co.	Steelton, Pa.	70,000	R.R., Struct, & Hwy.
Penn Bridge Co.	Beaver Falls, Pa.	5,000	" " "
Phoenix Bridge Co.	Phoenixville, Pa.	36,000	" " "
Pierpont & Heaton.	Provo, Utah.	1,000	Light Struct. & Hwy.
Pisstish, Fred.	Milwaukee, Wis.	200	" " "
Pittsburgh Steel Cons. Co.	Pittsburgh, Pa.	4,000	Structural.
Portage Iron Wks.	Portage, Wis.	100	Light structural.
Pothoff & Frey.	Pittsburgh, Pa.	2,000	" "
Presteem, Peter.	Nero, Wis.	100	" "
Pritzloff, John, Hardware.	Milwaukee, Wis.	600	" "
Puget Sound Dry-Dock Co.	Tocoma, Wash.	1,200	Light struct. & hwy.

Puget Sound Bridge & Dredging Co.	Seattle, Wash.	100	Light struct. & Hwy.
Prince & Kinkle I. Wks.	New York City.	1,000	" " "
Poppke & Son.	Brooklyn, N. Y.	100	" " "
Pirkl, John.	Brooklyn, N. Y.	500	" " "
Quackenbush, John G.	Webster City, Ia.	75	" " "
Queen City Fdry Co.	Denver, Col.	14,000	Structural & Hwy.
Radley, J. J. & Co.	New York City.	2,400	" "
Ralston Iron Wks.	San Francisco, Calif.	2,000	Structural.
Rapp & Speidel.	N. Y. City.	600	Beam & Light struct.
Risdon Iron Wks.	San Francisco, Cal.	2,000	Light structural.
Riter-Conley Mfg. Co.	Pittsburgh, Pa.	20,000	R.R., Struct. & Hwy.
Riverside Bridge Co.	Wheeling W. Va.	2,000	Light struct. & Hwy.
Rochester Bridge Co.	Rochester, Ind.	800	" " "
Rochester Bdge. & Cons. Co.	Montour Falls, N. Y.	2,400	" " "
Russell Wheel & Fdry. Co.	Detroit, Mich.	600	Light structural.
Rogers Iron Co.	Springfield, O.	500	" "
Ravitch Bros.	New York City.	500	" "

Salt Lake Eng. Co.	Salt Lake City, Utah.	1,000	Light struct. & Hwy.
San Francisco Bridge Co.	San Francisco, Cal.	500	" " "
Schreiber, E.A., I. Wks.	Chicago, Ill.	500	Light structural.
Schreiber, L., & Son Co.	Cincinnati, O.	5,000	Structural & Hwy.
Schurk Iron Wks.	St. Louis, Mo.	1,200	Light structural.
Schneider, M.	Chicago, Ill.	300	" "
Scaife, Wm. E. & Sons	Pittsburg, Pa.	4,000	" " & Hwy.
Schuylkill Bridge Co.	Pottstown, Pa.	7,800	R.R. Str. & Hwy.
Seaton, John	Atchison, Kas.	5,000	Struct. & Hwy.
Seavers Mfg. Co.	Oskaloosa, Ia.	600	Light Structural
Shadbolt & Boyd Iron Co.	Milwaukee, Wis.	300	" "
Sherwin, E. C. & Co.	Brendon, Wis.	300	" "
Shortville, A. E. Co.	Marshalltown, Ia.	3,600	" " & Hwy.
Silver Boe Fdry. Co.	Butte, Mont.	1,000	" "
Silver Bros.	Salt Lake City, Utah	2,500	" "
Skobisa Bros.	Milwaukee, Wis.	1,200	" "
Smith G. W. & F. Iron Co.	Boston, Mass.	6,000	Structural
South Halsted St. I.Wks.	Chicago, Ill.	6,000	"
Southern Bridge Co.	Birmingham, Ala.	1,500	Highway.
Springfield Cons. Co.	Springfield, Mass.	700	Structural.
Snare & Triest Co.	Jersey City, N. J.	600	Structural & Beam

Spuch, J. Arch. I. Wks.	St. Louis, Mo.	3,000	Light Struct.
Standard Bridge Co.	Omaha, Nebr.	100	Highway
Snead Bridge & Ir. Co.	Jersey City, N. J.	2,400	Light Struct.
Snead Arch. I. Wks.	Louisville, Ky.	3,000	Light Struct. & Hwy.
Sterling Iron Works	Springfield, Mo.	3,500	" " "
Stewart Iron Works-	St. Louis, Mo.	300	" "
" " "	Cincinnati, O.	5,000	" "
St. Louis Arch. I. Wks.	St. Louis, Mo.	800	" "
Streeter, H. A.	Chicago, Ill.	500	" "
St. Paul Fdry Co.	St. Paul, Minn.	10,000	Structural
Steel & Wike	Philadelphia, Pa.	1,800	Light Struct.
Stevens & Hannis	Philadelphia, Pa.	400	" "
Stupp Bros. Bridge & I.	Co. St. Louis, Mo.	5,000	Lt. Struct. & Hwy
Springfield Bridge & I.	Wks. Springfield, Ill.	500	" " "
Sutton & Son	New Orleans, La.	1,700	" " "
Seattle Iron Works	Seattle, Wash.	500	" "
Sumner Iron Wks.	Everett Wash.	500	" "
Timmerman, H.	Ontario, Wis.	100	Lt. Struct. & Hwy.
Toepfer, Wm. & Sons I. Wks.	Milwaukee, Wis.	300	" " "
Union Iron & Fdry Co.	St. Louis, Mo.	6,000	Lt. Struct. & Hwy.
Union Iron Works	Oshkosh, Wis.	100	" " "

Union Iron Works	Los Angeles, Cal.	1,000	Lt. Struct. & Hwy.
Union Foundry Co.	Chicago, Ill.	250	" " "
Valley Iron Works	Appleton, Wis.	100	Light Struct.
Variwty Iron Works	Seattle, Wash.	1,200	" " & Hwy.
Van Dorn Iron Works	Cleveland, O.	2,500	Light Struct.
Vaile & Young	Baltimore, Md.	2,500	" "
Virginia Bridge & I. Co.	Roanoke, Va.	3,600	Lt. Struct. & Hwy.
Vierling & McDowell	Chicago, Ill	6,000	Light Struct.
Vincennes Bridge Co.	Vinvennes, Ind.	1,000	Lt. Struct. & Hwy.
Voggenthaler, R. J. & Co.	Dubuque, Ia.	900	" " "
Vulcan Iron Works	Denver Colo.	600	Light Structural
Wagner, A. F. Arch. Wks.	Milwaukee, Wis.	300	Light Struct.
Wagner, J. C. Iron Wks.	Milwaukee, Wis.	200	" "
Walton Iron Works	Cincinnati, O.	2,000	" "
West Va. Bridge & Cons. Co.	Wheeling, W. Va.	3,500	Lt. Struct & Hwy
Western Iron Wks.	San Francisco, Ca.	2,000	Light Struct.
Westtermann Iron Wks.	Seattle, Wash.	600	" "
Western Bridge Co.	Chicago, Ill.	500	Lt. Struct. & Hwy.
West Side Foundry	Troy, N. Y.	500	" "

Whitehead & Kails Co.	Detroit, Mich.	3,000	Light Struct.
Wichita Bridge & I. Co.	Wichita, Kan.	2,500	Lt. Struct. & Hwy.
Willamette Iron Wks.-	Portland, Oreg.	500	Lt. Structural
Worden-Allen Co.	Milwaukee, Wis.	500	" "
York Bridge Co.	York, Pa.	3,000	Highway
York Fdry & Mach. Co.	York, Neb.	500	Lt. Structural
		1,027,425	
* Eliminating Carnegie Steel Co.		40,000	
		987,425	

DEFENDANTS' EXHIBIT NO. 5.

May 24, 1912.

LIST OF COMPETITORS OPERATING SHOPS, May 15, 1905.

NAME	LOCATION	ANNUAL CAPACITY IN TONS	CLASS OF WORK.
Aetna Iron Works, Inc.	St.Louis, Mo.	3,000	Light struct.& Hwy.
Albree,Chester B.I.Wks.	Allegheny, Pa.	1,000	" " "
Alexandria Iron Works.	Alexandria, Va.	1,500	Structural.
Althouse, Wheeler Co.	Waupon, Wis.	1,000	Light struct.& Hwy.
American Struct. Steel Co.	Carnegie & Pittsburgh, Pa.	4,000	Structural & Hwy.
American Struct.Steel Co	New York, N.Y.	5,000	Structural.
Anderson Bridge & Scraper Co.	Anderson, Ind.	100	Highway.
Armourdale Fdry Co.	Armourdale, Kan. & Kansas City, Mo.	4,500	Structural.
Archbold-Brady Co.	Syracuse, N. Y.	1,200	"
Ashland Iron & Steel Co.	Ashland, Wis.	100	Light Structural.
Attica Bridge & Mach.Co.	Attica, Ind.	1,200	Highway Bridges.
Baltimore Bridge Co.	Baltimore, Md.	9,600	R.R., Struct. & Hwy.
Baker Iron Wks. Inc.	Los Angeles, Cal.	2,500	Structural & Hwy.
Bancroft, Charles P.	Philadelphia, Pa.	400	Light structural.

Banner Iron Works.	St. Louis, Mo.	4,000	Struct. & Hwy.
Barber & Ross.	Washington, D. C.	600	Light struct. & Hwy.
Bayley, Wm. & Sons Co.	Milwaukee, Wis.	1,200	Structural & Hwy.
Bedell, Struct. Steel & Fdry. Co.	New Orleans,	2,500	" "
Belleville Fdry. Co.	Belleville, Ill.	900	" "
Belmont Iron Works.	Philadelphia, Pa.	5,000	Structural.
Bellefontaine Bridge & Iron Co.	Bellefontaine, O.	1,500	Light struct. & Hwy.
Berlin Cons. Co.	Berlin, Conn.	3,600	Struct. & Highway.
Bogert & Carlough Co.	Paterson, N. J.	500	" "
Bolinger, C. L. & Co.	Pittsburgh, Pa.	2,000	Light struct. & Hwy.
Bolter, A. & Sons.	Chicago, Ill.	500	" " "
Boston Bridge Works, Inc.	Boston, Mass.	18,000	R.R., Struct. & Hwy.
Brackett Bridge Co.	Cincinnati, O.	1,500	Highway bridges.
Brode & Clark Iron Wks.	San Francisco, Cal.	1,000	Light struct. & Hwy.
Bros Brothers Boiler & Manufacturing Co.	Minneapolis, Minn.	7,000	" " "
Brown-Ketchum Iron Wks.	Indianapolis, Ind.	18,000	Struct & Highway.
" " " "	Greensburgh, Pa.	12,000	Light struct. & Hwy.
Braman, C. E.	Jefferson, Wis.	100	Light structural.
Buffalo Structural Steel Co.	Buffalo, N. Y.	4,500	Structural & Highway.

Cambria Steel Co.	Johnstown, Pa.	30,000	R.R., Struct. & Hwy.
Canton Bridge Co.	Canton, O.	2,000	Highway.
Capital Iron Works.	Topeka, Kan.	3,700	Light structural.
Carnegie Steel Co.	Pittsburgh, Pa.	40,000	Beam & Fitted work.
Carlin's, Jas. Sons Co.	Pittsburgh, Pa.	2,000	Light structural.
Carolina Steel Bridge & Cons. Co. (Purchased By Va. Bdge. Co.)	Burlington, N. C.	10,000	R. R., & Highway.
Central Iron Works.	Quincy, Ill.	1,000	Light structural.
Champion Bridge Co.	Canton, O.	1,500	" "
Champion Bridge Co.	Wilmington, O.	1,500	Hwy. & Light struct.
Chicago Bridge & Iron Co.	Chicago, Ill.	15,000	R. R., Struct. & Hwy.
Chelmsford Fdry. Co.	Boston, Mass.	6,000	Structural.
Christopher & Simpson Arch. Iron & Fdry. Co.	St. Louis, Mo.	5,000	"
Clapp, Geo. B.	Philadelphia, Pa.	400	Light structural.
Clark & Stowe	Brooklyn, N. Y.	100	" "
Clinton Bdge. & Iron Wks.	Clinton, Ia.	6,000	Highway & Struct.
Colnick, C. Mfg. Co.	Milwaukee, Wis.	100	Light structural.
Colorado Iron Works Co.	Denver, Col.	4,500	Highway & Struct.
Columbia Eng. Wks.	Portland, Ore.	100	Light struct & Hwy.
Columbia Bridge Co. (Operated by Penn. Bdge. Co.)	Carnegie, Pa.	4,000	Highway & Struct.
Columbia Fdry. & Mach. Co.	St. Joseph, Mo.	500	Light structural.

Converse Bridge Co.	Chattanooga,Tenn.	1,000	Highway & Structural.
Converse,H. P. & Co.	Boston, Mass.	1,000	Structural.
Cooper-Wigand-Cooke Co.	New York City.	2,400	"
Cornell, J. B. & J. M.	"	20,000	"
Crown Iron Works.	Minneapolis,Minn.	30,000	Light structural.
Davis, F.M. Iron Works	Denver, Colo.	1,000	Light struct. & Hwy.
Davenport Fdry. & Mach. Co.	Davenport, Ia.	500	" " "
Dauchy Iron Works.	Chicago, Ill.	500	Light structural.
Dauphin Bridge & Cons. Co.	Dauphin, Pa.	3,000	Light struct. & Hwy.
Dearborn Fdry. Co.	Chicago, Ill.	5,000	" " "
Denver Iron & Wire Wks.	Denver, Colo.	3,700	Light structural.
Des Moines Bdge.& I.Wks.	Des Moines, Ia.	900	Light struct. & Hwy.
Dimond, Thomas.	New York City.	1,500	Structural.
Doman, H. L. & Co.	Oshkosh, Wis.	100	Light struct. & Hwy.
Dugro, Philip.	Brooklyn, N. Y.	200	Structural.
Dyer Brothers.	San Francisco, Cal.	3,000	"
Eagle Iron Works.	Brooklyn, N.Y.	100	Light structural.
Eastern Bdge.& Struct. Co.	Worcester, Mass.	3,600	R.R.,Struct. & Hwy.
East Chic.Bdge.& I.Wks.	East Chicago,Ill.	3,600	Highway & Structural.
Easton Fdry.& Mach. Co.	Easton, Pa.	1,500	" "
EauClaire Cornice & Heat Co.	EauClaire, Wis.	100	Light structural.

Eichleay, John, Jr. Co.	Pittsburg, Pa.	4,500	Structural.
Elizabeth Bridge Co.	Elizabeth, Ill.	12,000	Struct. & Hwy.
Elkhart Bridge Co.	Elkhart, Ind.	1,000	Highway.
Enterprise Iron Works.	Albert Lea, Minn.	50	Light structural.
Excelsior Rolling Mills.	Alleman, Wis.	100	" "
Fagan Iron Works.	Hoboken, N. J.	4,800	Structural.
Fair-Williams Bdge. & & Mfg. Co.	Ottumwa, Ia.	900	Light structural.
Fairbault Mach. Co.	Fairbault, Minn.	50	" "
Felgenhauer's E., Sons.	Brooklyn, N. Y.	100	" "
Fischer, Henry C.	"	100	" "
Fletcher & Crowell Co.	Portland, Wis.	1,200	" "
Fluegel, Anton.	Brooklyn, N. Y.	100	" "
Forest City Steel & I. Co.	Cleveland, O.	4,000	Struct. & Hwy.
Fort Pitt Bridge Works.	Pittsburg, Pa.	15,000	" "
Friberg, James.	Brooklyn, N. Y.	100	Light structural.
Funk, M., Boiler Works,	LaCrosse, Wis.	1,000	" "
Garry Iron & Steel Co.	Cleveland, O.	3,000	Light structural.
Gerst Bros. Mfg. Co.	St. Louis, Mo.	1,200	Light struct. & Hwy.
Goeller Iron Wks.	Newark, N. Y.	500	" " "
Globe Iron Works.	St. Louis, Mo.	3,500	Light structural.

Greenslade Foundry Co.	Milwaukee, Wis.	1,200	Light structural.
Groton Bridge Co.	Groton, N. Y.	1,200	" " & Hwy.
Guerber Engineering Co.	Bethlehem, Pa.	1,200	" " "
Halstead, Jos.	Chicago, Ill.	500	Light structural.
Hansell-Elcock Co.	"	8,000	Structural & Hwy.
Harris Machinery Co.	Minneapolis, Minn.	3,500	Light structural.
Harrower, H. C.	Buffalo, N. Y.	2,000	Structural.
Hackworthy Cons. Co.	Appleton, Wis.	2,000	Light struct. & Hwy.
Hassell Iron Wks. Co.	Colorado Springs, Col.	4,000	" " "
Hathorn Fdry. & Mach. Co.	Mason City, Ia.	1,200	Light structural.
Hay Fdry. & Iron Wks.	Newark, N. J.	6,000	Structural.
Hafers, Chris. I. Wks. Co. (Inc.)	N. Y. City.	1,000	Light structural.
Happel, Adam.	New York City.	1,000	" "
Hedden, Iron Cons. Co.	Newark, N. J.	200	" "
Herzog Iron Works.	St. Paul, Minn.	2,000	Structural.
Hecla Iron Works.	Brooklyn, N. Y.	1,000	"
Heyl & Patterson	Pittsburg, Pa.	5,000	"
Hinkle Iron Co.	New York City.	500	Light structural.
Hofius, W. D. & Co.	Seattle, Wash.	100	Light struct. & Hwy.
Holmes, Pyott & Co.	Chicago, Ill.	600	" " "
Horn, Wm., Struct. I.Wks.	Chicago, Ill.	600	" " "
Howell, H. M. & Co.	New York City.	200	Light structural.

Hudson Struct. Co.	Jersey City, N. J.	1,500	Structural.
Hennepin Bridge Co.	Minneapolis, Minn.	50	Light struct. & Hwy.
Illinois Bridge & Mach.Co.	Jacksonville, Ill.	2,500	Light struct. & Hwy.
Illinois Steel Co.	Chicago, Ill.	30,000	Railway & Struct.
Indiana Bridge Co.	Muncie, Ind.	6,000	Light struct. & Hwy.
Indianapolis Bdge.& I.Wks.	Indianapolis, Ind.	2,500	" " "
Iron City Mfg. Co.	Pueblo, Colo.	3,500	" " "
Jardine, John R.	Farho, Ind.	100	" " "
Joliet Bridge & Iron Co.	Joliet, Ill.	3,600	" " "
Judson Mfg. Co.	San Francisco, Cal.	5,000	" " "
Jones & Laughlins Steel Co.	Pittsburg, Pa.	30,000	R.R., Struct. & Hwy.
Jones, Benj. F.	New York City.	200	Light structural.
Kansas City Wire &I.Wks.	Rosedale, Kan.	5,000	Struct. & Hwy.
Kansas City Bridge Co.	Kansas City, Mo.	300	Highway.
Kent, W.D., Iron Co.	Chicago, Ill.	600	Light structural.
Kenwood Bridge Co.	"	6,000	Light struct. & Hwy.
Killeen's Foundry.	New Orleans, La.	2,200	Light struct. & Hwy.
King, George E. Bdge.Co.	Des Moines, Ia.	2,500	Highway.
King Bridge Co.	Cleveland, O.	15,000	R.R., Struct. & Hwy.
Kratzer, W. H. & Co.	Pittsburg, Pa.	3,000	Light structural.

Kreatz, F.E.	St. Cloud, Minn.	50	Light structural.
Kunert Mfg. Co.	Watertown, Wis.	300	" "
Keystone Struct. Co.	Royersford, Pa.	5,000	Struct. & Hwy.
LaCrosse Steel Roofing & Corrugated Co.	LaCrosse, Wis.	600	" "
LaCrosse Bridge & Steel Co.	" "	600	" "
Laman Brothers	Pueblo, Colo.	5,500	Struct. & Hwy.
Levering & Garrigues Co.	N. Y. City.	5,000	Structural.
Lewinson & Co.	"	600	Beam work.
Lewis, Jas. B. & Co.	Detroit, Mich.	3,000	Light structural.
Llewellyn Iron Works	Los Angeles, Cal.	2,500	" "
Louisville Bdge.& I. Co.	Louisville, Ky.	5,000	Struct. & Hwy.
Lauer & Harper Co.	Westport, Md.	200	Structural.
Maitland, W. B.	Montello, Wis.	100	Highway.
Manitowoc Steam Boiler Wks.	Manitowoc, Wis.	100	"
Massillon Bridge Co. (Operated by Toledo-Massillon Bridge Co.)	Massillon, O.	3,500	R.R., Struct. & Hwy.
McCullough, George.	Hammond, Wis.	100	R.R., Struct.& Hwy.
McClintic-Marshall Cons. CO.	Pittsburg, Pa.	25,000	" " "
" " "	Pottstown, Pa.	15,000	" " "

McDonald Eng. Co.	Chicago, Ill.	500	Light structural.
McCarthy, A. F. & Co.	Philadelphia, Pa.	400	" "
McKay, Thomas.	New York City	500	" "
McMurray, Rob't T. & Bro.	Brooklyn, N. Y.	100	" "
Meeker & Bro.	St. Louis, Mo.	800	" " & Hwy.
Megquier & Jones Co.	Portland, Me.	3,000	" " "
Melan Arch. Cons. Co.	New York City.	600	Light structural.
Minneapolis Steel & Mach. Co.	Minneapolis, Minn.	18,000	R. R., Struct. & Hwy.
Missouri Bridge Co.	East St. Louis, Ill.	100	Highway.
Missouri Valley Bridge & Iron Co.	Leavenworth, Kan.	3,600	R. R., & Highway.
Modern Steel Struct. Co.	Waukesha, Wis.	10,000	Highway & Struct.
Michigan Bridge Co.	Portland, Mich.	500	Light struct. & Hwy.
Milliken Brothers.	New York City.	36,000	R. R., Hwy. & Struct.
Milwaukee Bridge Co.	Milwaukee, Wis.	1,000	Highway.
Mosher Mfg. Co.	Dallas, Texas.	2,700	Structural.
Morava Cons. Co.	Chicago, Ill.	2,500	Light struct. & Hwy.
Mt. Vernon Bridge Co.	Mt. Vernon, O.	3,500	" " "
Myer Brothers.	Mankato, Minn.	100	" " "
McGill, James H.	Washington, D. C.	100	Structural.
National Iron Works.	St. Louis, Mo.	600	Light structural.
New Castle Bridge Co.	New Castle, Ind.	3,000	Highway & Struct.

New Prague Fdry. Co.	New Prague, Minn.	1,100	Light structural.
New England Struct.Co.	Everett, Mass.	12,000	Structural.
N. Y. Bridge & Iron Co.	New York City.	300	Light struct. & Hwy.
New Jersey Bridge Co.	Manasquan, N. J.	5,000	Highway.
Noble, Patrick.	San Francisco, Cal.	2,000	Structural.
Northwestern Fdry. Co.	Minneapolis, Minn.	4,000	"
Noelke-Richards Iron Wks.	Indianapolis, Ind.	6,000	Light structural.
Obenberger,J.& G. Co.	Milwaukee, Wis.	100	" "
Oklahoma Fdry.& Iron Wks.	Oklahoma City, O.T.	100	" "
Oregonia Bridge Co.	Lebanon, O.	1,000	Light struct. & Hwy.
Owego Bridge Co.	Owego, N. Y.	4,800	R.R., Struct. & Hwy.
Pacific Iron Works.	Portland, Ore.	100	Light structural.
Pan-American Bridge Co.	New Castle, Ind.	1,000	Light struct. & Hwy.
Parker, Thatcher A.	Terre Haute, Ind.	1,500	" " "
Passaic Steel Co.	Patterson, N. J.	24,000	R.R., Struct. & Hwy.
Paxton & Vierling.	Omaha, Neb.	4,000	Structural.
Pennsylvania Steel Co.	Steelton, Pa.	70,000	R.R., Struct. & Hwy.
Penn Bridge Co.	Beaver Falls, Pa.	5,000	" " "
Phoenix Bridge Co.	Phoenixville, Pa.	36,000	" " "
Pierpont & Heaton	Provo, Utah,	1,000	Light Struct. & Hwy.
Pietsch, Ferdinand.	Milwaukee, Wis.	200	" " "
Pittsburg Steel Cons.Co.	Economy, Pa.	4,000	Structural.
Pirkl, John, Iron Works.	Brooklyn, N. Y.	500	Light struct. & Hwy.

Portage Iron Works.	Portage, Wis.	100	Light structural.
Pothoff & Frey Iron Wks.	Cincinnati, O.	2,000	" "
Poppke & Son.	Brooklyn, N. Y.	100	Light struct. & Hwy.
Presteem, Peter.	Nero, Wis.	100	Light structural.
Pritzlaff, John Hardware Co.	Milwaukee, Wis.	600	" "
Prince Iron Works.	New York City.	1,000	Light struct. & Hwy.
Puget Sound Dry Dock & Mach. Co.	Tacoma, Wash.	1,200	Light struct. & Hwy.
Puget Sound Bridge & Dredging Co.	Settle, Wash.	100	" " "
Quackenbusch, John E.	Webster City, Ia.	75	" " "
Queen City Fdry. Co.	Denver, Colo.	14,000	Structural & Hwy.
Rarig Engineering Co.	Columbus, O.	500	Light struct & Hwy.
Radley, J. J.,& Co.,Inc.	N. Y. City.	2,400	Struct. & Hwy.
Ralston Iron Works.	San Francisco,Cal.	2,000	Structural.
Rapp Iron Works	New York City.	600	Beam & Light struct.
Ravitzh Brothers.	" " "	500	Light structural.
Risdon Iron & Locomotive Works.	San Francisco.	2,000	" "
Riter- Conley Mfg. Co.	Pittsburg, Pa.	20,000	R. R., Struct. & Hwy.
Rochester Bridge & Cons. Co.	Montour Falls,N. Y.	2,400	Light struct. & Hwy.

Rochester Bridge Co.	Rochester, Ind.	800	Light struct. & Hwy.
Riverside Bridge Co.	Wheeling, W. Va. & Martins Ferry, O.	2,000	Light struct & Hwy.
Rogers Iron Co.	Springfield, O.	500	Light structural.
Russell Wheel & Fdry. Co.	Detroit, Mich.	600	" "
Salt Lake Eng. Co.	Salt Lake City, Utah.	1,000	Light struct. & Hwy.
Sandblom, Gustave, Arch. I. Wks.	Brooklyn, N. Y.	1,000	Structural.
San Francisco Bridge Co.	San Francisco, Cal.	500	"
Schreiber, E. A.	Chicago, Ill.	500	Light structural.
Schrieber, L. & Son Co.	Cincinnati, O.	5,000	Struct. & Highway.
Schurk Iron Works.	St. Louis, Mo.	1,200	Light structural.
Schneider, M.	Chicago, Ill.	300	" "
Silver Bros. Iron Wks.Co.	Salt Lake City.	2,500	" "
Scaife, Wm. B. & Sons Co.	Pittsburg, Pa.	4,000	Light struct. & Hwy.
Seaton, John Fdry. & Mfg. Co.	Atchison, Kan.	4,000	Structural & Highway.
Seavers Mfg. Co.	Oskaloosa, Ia.	600	Light structural.
Seattke Hardware Co.	Seattle, Wash.	500	" "
Shadbolt & Boyd Iron Co.	Milwaukee, Wis.	300	" "
Sherwin, E. C. & Son.	Brendon, Wis.	300	" "
Shorthill, A. E. Co.	Marshalltown, Ia.	3,600	Light struct & Hwy.
Silver Bow Fdry. Co.	Butte, Mon.	1,000	Light structural.

Skobis Bros.	Milwaukee, Wis.	1,200	Light structural.
Smith, G.W. & F. Iron Co.	Boston, Mass.	6,000	Structural.
Snare & Triest Co.	New York City.	600	Structural & Beam.
Shoemaker, Lewis F. & Co.	Pottstown, Pa.	7,800	R. R., Struct. & Hwy.
Snead & Co. Iron Wks.	Jersey City, N. J.	2,400	Light structural.
Snead Arch. Iron Works.	Louisville, Ky.	3,000	Light struct. & Hwy.
South Halstead St. I.Wks.	Chicago, Ill.	6,000	Structural.
Southern Bridge Co.	Birmingham, Ala.	1,500	Highway.
Southwestern Bridge & I. Co.	Enid, O.T.	400	Highway.
Springfield Cons . Co.	Springfield, Mass.	700	Structural.
Spuch, J. Arch. I. Wks.	St. Louis, Mo.	3,000	Light structural.
Springfield Bdge. & I. Wks.	Springfield, Ill.	500	Light struct. & Hwy.
Standard Bridge Co.	Omaha, Neb.	100	Highway.
Sterling Iron Works.	Springfield, Mo.	2,500	Light struct. & Hwy.
Stewart Iron Works Co.	Covington, Ky.	300	Light structural.
" " "	Cincinnati, O.	5,000	" "
St. Louis Arch. I. Co.	St. Louis, Mo.	800	" "
Streeter, H. A.	Chicago, Ill.	500	" "
St. Paul Fdry. Co.	St. Paul, Minn.	10,000	Structural.
Steel & Wike.	Philadelphia, Pa.	1,800	Light structural.
Steward & Stevens I. Wks.	Philadelphia, Pa.	400	" "
Stupp Bros. Bdge.& I.Co.	St. Louis, Mo.	5,000	Light Struct. & Hwy.
Sutton, Jos.	New Orleans, La.	1,700	Light struct .& Hwy.

Sumner Iron Works.	Everett, Wash.	500	Light structural.
Smith & Lovett Co.	Boston, Mass.	1,200	Structural.
Timmerman, H.	Ontario, Wis.	100	Light struct. & Hwy.
Toepfer, Wm. & Sons.	Milwaukee, Wis.	300	" " "
Texas Bridge Co.	Ft. Worth, Texas.	500	Highway.
Toledo-Massillon Bridge Co. (Operates Massillon Bridge Co.)	Massillon, O.	3,500	Highway & Struct.
Union Iron & Fdry. Co.	St. Louis, Mo.	6,000	Light struct. & Hwy.
Union Iron Works.	Los Angeles, Cal.	1,000	" " "
Union Fdry Works.	Chicago, Ill.	250	" " "
United Iron Works Co.	Springfield.	3,700	Structural.
Valley Iron Works,	Williamsport, Pa.	100	Light structural.
Variety Iron Works.	Cleveland, O.	1,200	Light struct. & Hwy.
VanDorn Iron Works.	" "	2,500	Light structural.
Vaile & Young.	Baltimore, Md.	2,500	" "
Virginia Bridge & I. Co.	Roanoke, Va.	3,600	" "
Vierling & McDowell Co.	Chicago, Ill.	6,000	" "
Vincennes Bridge Co.	Vincennes, Ind.	1,000	Light struct. & Hwy.
Vogenthaler, E. J.	Dubuque, Ia.	900	" " "
Vulcan Iron Works Co.	Denver, Colo.	600	Light structural.
Wagner, Adolph F.	Milwaukee, Wis.	300	" "

Walton Iron Co.	Cincinnati, O.	2,000	Light Structural.
West Va. Bdge. & Cons.Co.	Wheeling, W. Va.	3,500	Light struct & Hwy.
Western Iron Works.	San Francisco, Cal.	2,000	Light structural.
Westermann Iron Works.	Seattle, Wash.	600	" "
West Side Fdry. Co.	Troy, N. Y.	500	" "
Whitehead & Kales Co.	Detroit, Mich.	3,000	" "
Willamette Iron & Steel Wks.	Portland, Ore.	500	" "
Wisconsin Bridge & Iron Co.	Milwaukee, Wis.	24,000	R. R., & Struct.
Wichita Bridge & Iron Co.	Wichita, Kan.	2,500	Light struct. & Hwy.
Worden Allen Co.	Milwaukee, Wis.	500	Railraod & Struct.
York Bridge Co.	York, Pa.	3,000	Highway.
York Fdry. & Engine Wks.	York, Neb.	500	Light structural.
Yant, N. D. & Co.	Allegheny, Pa.	600	" "
		1,114.825	

Eliminating Carnegie Steel Co.	40,000	
" Illinois Steel Co.	30,000	70,000
		1,044,825

DEFENDANTS' EXHIBIT NO. 6.
May 24, 1912.

LIST OF COMPETITORS OPERATING SHOPS, May 15, 1906.

NAME	LOCATION	ANNUAL CAPACITY IN TONS	CLASS OF WORK.
Aetna Iron Works	St. Louis, Mo.	3,000	Light struct. & Hwy.
Albree, Chester B., I. Wks.	Allegheny, Pa.	1,000	" " "
Alexandria Iron Works	Alexandria, Va.	1,500	Structural
American Struct. Steel Co.	Carnegie & Pittsburg, Pa.	4,000	Struct. & Hwy.
Anaconda Copper Mining Co. Foundry Department	Anaconda, Mont.	200	Light structural.
Anderson Bdg. & Scraper Co.	Anderson, Ind.	100	Highway.
Armourdale Fdry.	Armourdale, Kan. & Kansas City, Mo.	6,000	Structural.
Archbold-Brady Co.	Syracuse, N. Y.	1,200	"
Attica Bridge & Mach. Co.	Attica, Ind.	1,200	Highway.
Baltimore Bdge. Co.	Baltimore, Md.	9,600	R.R., Struct. & Hwy.
Baker Iron Works, Inc.	Los Angeles, Cal.	2,000	Struct. & Hwy.
Bancroft, Clarhes P.	Philadelphia, Pa.	400	Light structural.

Banner Iron Works.	St. Louis, Mo.	2,400	Structural & Hwy.
Barber & Ross.	Washington, D. C.	600	Light struct. & Hwy.
Bartlett Steel Co.	Joplin, Mo.	500	Structural.
Bayley & Sons Co.	Milwaukee, Wis.	1,200	Struct & Hwy.
Bedell Struct. Steel & Foundry Co.	New Orleans, La.	2,500	" "
Belleville Foundry Co.	Belleville, Ill.	900	" "
Belmont Iron Works.	Chester, Pa.	12,000	Structural.
Bellefontaine Br.& I.Co.	Bellefontaine, O.	1,500	Light struct.
Berlin Cons. Co.	Berlin, Conn.	7,500	Struct. & Hwy.
Bogert & Carlough Co.	Paterson, N. J.	500	" "
Berry Foundry Co.	St. Joseph, Mo.	1,000	Structural.
Bolinger, C.L. & Co.	Pittsburg, Pa.	2,000	Light Struct & Hwy.
Bolter, A.& Sons.	Chicago, Ill.	4,000	" "
Boston Bridge Wks.,Inc.	Boston, Mass.	18,000	R. R., Struct. & Hwy.
Bowles, J. R.	Portland, Ore.	1,000	Struct. & Hwy.
Brackett Bridge Co.	Cincinnati, O.	1,500	Highway.
Brode & Clark.	San Francisco.	500	Light struct. & Hwy.
Bros Brothers Boiler & Mfg. Co.	Minneapolis, Minn.	7,000	" " "
Brown-Ketchum Iron Wks.	Indianapolis, Ind.	18,000	Struct. & Hwy.
" " " "	Greensburgh, Pa.	12,000	Light struct. & Hwy.
Browne, F. O.	Denver, Colo.	250	Structural.
Buffalo Struct. Steel Co.	Buffalo, N. Y.	4,500	Struct & Hwy.

Cambria Steel Co.	Johnstown, Pa.	30,000	R. R. Struct. & Hwy.
Canton Bridge Co.	Canton, O.	6,000	Highway.
Capital Iron Works.	Topeka, Kan.	2,000	Light struct.
Carlin's Jas.Sons Co.	Pittsburg, Pa.	2,000	" "
Carolina Steel Bdge & Cons. Co. (Purchased by Va. Bdge. Co.)	Burlington, N. C.	10,000	" "
Central Iron Works.	San Francisco,	400	" "
" " "	Quincy, Ill.	1,000	" "
Central States Bdge.Co. (Formerly New Castle Bdge. Co.)	New Castle, Ind.	3,000	Hwy. & Struct.
Champion Bridge Co.	Canton, O.	1,500	Light struct.
" " "	Wilmington, O.	1,500	Light struct. & Hwy.
Chicago Bdge.& I. Co.	Chicago, Ill.	15,000	R. R., Struct. & Hwy.
Chelmsford Fdry. Co.	Boston, Mass.	6,000	Structural.
Christopher & Simpson.	St. Louis, Mo.	3,000	"
Clapp, Geo. B.	Philadelphia, Pa.	400	Light struct.
Clark & Stowe.	Brooklyn, N. Y.	100	" "
Clinton Bdge. & Iron Wks.	Clinton, Ia.	6,000	Hwy. & "
Colnick, C., Mfg. Co.	Milwaukee, Wis.	1,000	Light "
Colo. Iron Wks. Co.	Denver, Colo.	6,000	Struct. & Hwy.
Columbia Eng. Works.	Portland, Ore.	100	Light struct. & Hwy.
Converse Bridge Co.	Chattanooga, Tenn.	1,000	Hwy. & Struct.
Columbia Bridge Co.	Carnegie, Pa.	4,000	" "

Converse, H.P. & Co.	Boston, Mass.	1,000	Structural.
Cooper, John, Co.	New York City.	2,400	"
Cornell, J.B. & J. M.	" " "	20,000	"
Crown Iron Works.	Minneapolis, Minn.	3,000	Light struct.
Davenport Fdry.& Mach. Co.	Davenport, Ia.	500	Light struct. & Hwy.
Dauchy Iron Works.	Chicago, Ill.	500	Light struct.
Dauphin Bdge. & Cons.Co.	Dauphin, Pa.	3,000	Light struct. & Hwy.
Dearborn Fdry. Co	Chicago, Ill.	5,000	" " "
Decatur Bridge Co.	Decatur, Ill.	2,000	" " "
Denver Iron & Wire Wks.	Denver, Colo.	3,700	" "
Des Moines Bdge.& I.Wks.	Des Moines, Ia.	5,000	" "
Dimond, Thomas.	New York City	1,500	Structural.
Duffin Iron Works.	Chicago, Ill.	1,000	Light structural.
Dugro, Philip.	Brooklyn, N. Y.	200	Structural.
Dyer Bros.	San Francisco	1,800	"
Eastern Steel Co.	Pottstown, Pa.	7,500	Struct.& Bridge work.
Eagle Iron Works.	Brooklyn, N. Y.	100	Light struct.
Eastern Bdge.& Str.Co.	Worcester, Mass.	3,500	R. R., Struct. & Hwy.
East Chic. Bdge.& I.Wks.	East Chicago.	3,600	Hwy. & Struct.
Elkhart Bridge Co.	Elkhart, Ind.	1,000	Highway.
Easton Fdry.& Mach.Co.	Easton, Pa.	1,500	Hwy. & Struct.

EauClaire Cornice & Heat Co.	Eau Claire, Wis.	100	Light struct.
Eichleay, John Jr. & Co.	Pittsburg, Pa.	4,500	Structural.
Elizabeth Bridge Co.	Elizabeth, Ill.	12,000	Highway & Struct.
El Paso Fdry.& Mach. Co.	El Paso.	200	Structural.
Enterprise Iron Works	Albert Lea, Minn.	50	Light struct.
Fagan Iron Works.	Hoboken, N. J.	4,800	Structural.
Fair-Williams Bdge. & Mfg. Co.	Ottumwa, Ia.	900	Light struct. & Hwy.
Felgenhauer'sE., Sons.	Brooklyn, N. Y.	100	Light structural.
Fischer, Henry C.	"	100	"
Eluegal, Anton	"	100	Light structural.
Forest City Steel & I.Co	Cleveland, O.	4,000	Struct & Hwy.
Ft..Pitt Bdge.Works.	Pittsburg, Pa.	15,000	" "
Friberg, James.	Brooklyn, N. Y.	100	Light structural.
Funk, M. Boiler Wks.	La Crosse, Wis.	1,000	" "
Garry Iron & Steel Co.	Cleveland, O.	3,000	Light structural.
Gerst Bros. Mfg. Co.	St. Louis, Mo.	800	" "
Goeller Iron Works.	Newark, N. J.	500	Light struct. & Hwy.
Guerber Eng. Co.	Bethlehem, Pa.	1,200	" " "
Groton Bridge Co.	Groton, N. Y.	1,200	" " "
Halstead, Jos.	Chicago, Ill.	500	Light structural.

Hansell-Elcock Co.	Chicago, Ill.	8,000	Struct. & Hwy.
Harris Machine Co.	Minneapolis, Minn.	3,500	Light structural.
Harrower, E. C.	Buffalo, N. Y.	2,000	Structural.
Hackworthy Cons. Co.	Appleton, Wis.	2,000	Light struct. & Hwy.
Hassel Iron Wks. Co.	Colorado Springs.	1,500	Structural.
Hathorn Fdry.& Mach.Co.	Mason City, Ia.	1,200	Light structural.
Hay Fdry. & Iron Wks.	Newark, N. J.	50,000	Structural.
Hafers,Chris.I.Wks.Co.Inc.	New York City.	1,000	Light structural.
Hapel, Adam.	" " "	1,000	" "
Hedden,Iron Cons.Co.	Newark, N. J.	200	" "
Herzog Iron Works.	St. Paul, Minn.	2,000	Structural.
Hecla Iron Works.	Brooklyn, N. Y.	1,000	"
Heyl & Patterson.	Pittsburg, Pa.	5,000	"
Hinkle Iron Co.	New York City.	500	Light struct.
Hofius,W.D. & Co.	Seattle, Wash.	100	Light struct. & Hwy.
Holmes, Pyott & Co.	Chicago, Ill.	3,000	" "
Horn,Wm.,Struct.I.Wks.	" "	1,000	" "
Howell,H.M.& Co.	New York City.	200	Light structural.
Hudson Struct. Co.	Jersey City, N. J.	1,500	Structural.
Hennepin Bridge Co.	Minneapolis, Minn.	50	Light struct. & Hwy.
Illinois Bridge Co.	Sullivan, Ill.	1,500	Highway.
Illinois Steel Bridge Co.	Jacksonville, Ill.	2,500	Light struct.& Hwy.
Indiana Bridge Co.	Muncie, Ind.	6,000	" " "

Indianapolis Br.& I.Wks.	Indianapolis.	2,500	Struct. & Hwy.
Iron City Mfg. Co.	Pueblo, Colo.	3,500	" " "
Jardine, John R.	Farho, Ind.	100	" " "
Joliet Bdge.& I. Co.	Joliet, Ill.	3,600	" " "
Judson Mfg. Co.	San Francisco.	2,500	" " "
Jones & Laughlin Steel Co.	Pittsburg, Pa.	30,000	R. R., Struct. & Hwy.
Jones, Benj. F.	New York City.	200	Light structural.
Kansas City Wire & Iron Wks.	Rosedale, Kan.	5,000	Struct.& Hwy.
Kaw Boiler Works.	Kansas City, Kan.	500	Structural.
Kent, W.D. Iron Co.	Chicago, Ill.	600	Light structural.
Kenwood Bridge Co.	" "	6,000	Light struct. & Hwy.
King, Geo.W., Br. Co.	Des Moines, Ia.	2,500	Highway.
Kratzer,W.H. & Co.	Pittsburg, Pa.	2,000	Light structural.
Kreatz, F. E.	St. Cloud, Minn.	50	" "
Kunert Mfg. Co.	Watertown, Wis.	300	" "
Keystone Struct. Co.	Royersford, Pa.	5,000	Struct. & Hwy.
LaCrosse Steel Roofing & Corrugated Co.	LaCrosse, Wis.	600	Struct. & Hwy.
Leavenworth Bridge Co.	Leavenworth, Kan.	300	Highway.
Levering & Garrigues.	New York City.	5,000	Structural.

Lewinson & Co.	New York City.	500	Beam work.
Lewis, Jas. C. & Co.	Detroit, Mich.	3,000	Light structural.
Llewellyn Iron Works.	Los Angeles, Cal.	3,000	" "
Louisville, Br. & I. Co.	Louisville, Ky.	5,000	Struct. & Hwy.
Lauer & Harper Co.	Westport, Md.	200	Structural.
Lukens Iron & Steel Co. (New Orleans Branch)	New Orleans, La.	2,000	Light structural.
McCullough, Geo.	Hammond, Wis.	100	R.R., Struct. & Hwy.
McClintic-Marshall Cons. Co.	Pittsburg, Pa.	75,000	" " "
" "	Pottstown, Pa.	25,000	" " "
McCarthy, A.F. & Co.	Philadelphia, Pa.	400	Light structural.
McKay, Thos.	New York City.	500	" "
McMurray, Robt.E. & Bros.	Brooklyn, N. Y.	100	" "
Mosker & Bro.	St. Louis, Mo.	600	Light struct. & Hwy.
Megquier & Jones Co.	Portland, Me.	3,000	" " "
Melan Arch. Cons. Co.	New York City.	600	Light structural.
Minneapolis Steel & Mach. Co.	Minneapolis, Minn.	18,000	R.R., Struct. & Hwy.
Missouri Valley Br. Co.	E. St. Louis, Ill.	2,500	Highway.
Missouri Valley Br. & Iron Co.	Leavenworth, Kan.	3,000	Rwy. Struct. & Hwy.
Michigan Bridge Co.	Portland, Mich.	500	Light struct. & Hwy.
Milliken Bros.	New York City.	36,000	R.R., Hwy. & Struct.

Milwaukee Bridge Co.	Milwaukee, Wis.	10,000	Highway.
Modern St. Struct. Co.	Waukesha, Wis.	6,000	Struct. & Hwy.
Moore Bros. Fdry. Co.	Wichita, Kan.	1,000	Structural.
Montana Iron Works.	Butte, Mont.	150	Light structural.
Mosher Mfg. Co.	Dallas, Texas.	2,700	" "
Morava Cons. Co.	Chicago, Ill.	6,000	Light struct. & Hwy.
Mt. Vernon Bridge Co.	Mt. Vernon, Minn.	3,500	" " "
Myer Bros.	Mankato, Minn.	100	" " "
McGill, Jas. H.	Washington, D. C.	100	Structural.
National Iron Works.	St. Louis, Mo.	1,200	Light struct.
New England Struct.Co.	Everett, Mass.	12,000	Ry. & Struct.
New Prague Fdry.Co.	New Prague, Minn.	1,100	Ry. & Struct.
N.Y. Bdge.& Iron Co.	New York City.	300	Light struct. & Hwy.
New Jersey Bridge Co.	Manasquan, N. J.	5,000	Highway & Struct.
Noble, Patrick.	San Francisco.	1,000	Structural.
Northwestern Fdry. Co.	Minneapolis, Minn.	4,000	"
Noelke-Richards I. Wks.	Indianapolis.	6,000	Light structural.
Oklahoma Fdry.& I.Wks.	Oklahoma City, O.T.	100	"
Oregonia Bridge Co.	Lebanon, O.	1,000	Light struct. & Hwy.
Owego Bridge Co.	Owego, N. Y.	4,800	R. R., Struct. & Hwy.
Omaha Struct.St. Wks.	Omaha, Neb.	300	Light highway.

Pacific Iron Works.	Portland, Ore.	100	Light structural.
Pan-American Bridge Co.	New Castle, Ind.	1,000	Light struct. & Hwy.
Parker-Thatcher A.	Terre Haute, Ind.	1,500	" " "
Potthoff & Frey I.Wks.	Cincinnati, O.	2,000	Light structural.
Passaic Steel Co.	Paterson, N. J.	24,000	R. R., Struct. & Hwy.
Paxton & Vierling.	Omaha, Neb.	8,000	Structural.
Pennsylvania Steel Co.	Steelton, Pa.	85,000	R. R., Struct. & Hwy.
Penn Bridge Co.	Beaver Falls, Pa.	5,000	" " "
Phoenix Bridge Co.	Phoenixville, Pa.	50,000	" " "
Pierpont & Heaton	Provo, Utah.	500	Light structural.
Pittsburg Steel Cons.Co.	Economy, Pa.	4,000	Structural.
Pirkl, John Iron Wks.	Brooklyn, N. Y.	1,500	Light structural.
Portage Iron Works.	Portage, Wis.	100	" "
Poppke & Son.	Brooklyn, N. Y.	100	Light struct. & Hwy.
Presteem, Peter.	Nero, Wis.	100	Light structural.
Prince Iron Works.	New York City.	1,000	" "
Puget Sound Dry dock & Mach. Co.	Tacoma, Wash.	1,200	" "
Puget Sound Bridge & Dredging Co.	Seattle, Wash.	100	" "
Pietsch, Ferd. Struct. I. Wks.	Chicago.	1,000	Structural.
Quackenbusch, Jno. H.	Webster City, Ia.	75	Light struct. & Hwy.

Rarig Engineering Co.	Columbus, O.	500	Light struct. & Hwy.
Radley, J.J. & Co., Inc.	New York City.	2,400	Struct. & Hwy.
Ralson Iron Works.	San Francisco.	1,000	Structural.
Rapp Iron Works.	New York City.	600	Beam & Light work.
Ravitch Brothers.	" " "	500	Light structural.
Risdon Iron Works.	San Francisco	2,000	Structural.
Riter-Conley Mfg.Co.	Pittsburg, Pa.	25,000	R. R., Struct. & Hwy.
Rochester Br.& Cons.Co.	Montour Falls, N. Y.	2,400	Light struct. & Hwy.
Rochester Bridge Co.	Rochester, Ind.	800	" " "
Riverside Bridge Co.	Wheeling, W. Va.	2,000	" " "
Rogers Iron Co.	Springfield, O.	500	Light structural.
Russel Wheel & Fdry.Co.	Detroit, Mich.	600	" "
Salt Lake Eng. Co.	Salt Lake City.	1,000	Light struct. & Hwy.
Sandblom, Gustav Arch. I. Wks.	Brooklyn, N. Y.	1,000	Structural.
Schraders Iron Works.	San Francisco.	400	Light structural.
Schrieber, L. & Sons Co.	Cincinnati, O.	5,000	Struct. & Hwy.
Schurk Iron Works.	St. Louis, Mo.	700	Light structural.
Scaar, Frank & Co.	Chicago, Ill.	1,000	" "
Scaife, Wm.B. & Sons Co.	Pittsburg, Pa.	4,000	Light struct. & Hwy.
Scully Steel & Iron Co.	Chicago, Ill.	2,000	Structural.
Seaton, Jno.Fdry.& Mfg. Co.	Atchison, Kan.	9,000	"

Seavers Mfg. Co.	Oskaloosa, Ia.	600	Light structural.
Seattle Hardware Co.	Seattle, Wash.	500	" "
Sherwin, E.C. & Son.	Brendon, Wis.	300	" "
Shorthill, A. E. Co.	Marshalltown, Ia.	3,600	" "
Silver Bros. I. Wks.	Salt Lake City.	2,500	" "
Skobis Brothers.	Milwaukee, Wis.	3,600	" "
Smeeth Co.	Chicago.	5,000	Struct. & Hwy.
Smith, G. W. & F.	Boston, Mass.	6,000	Structural.
Snare & Triest Co.	New York City.	600	Struct. & Beam.
Shoemaker, Lewis.	Pottstown, Pa.	7,800	R. R., Struct. & Hwy.
Snead & Co.I. Wks.	Jersey City, N. J.	2,400	Light structural.
Snead Arch.I. Wks.	Louisville, Ky.	3,000	Light struct. & Hwy.
So.Halstead St.I.Wks.	Chicago, Ill.	6,000	Structural.
Southern Bridge Co.	Birmingham, Ala.	1,500	Highway.
Southwestern Br.& I.Co.	Enid, O. T.	400	"
Spuck,J.Arch. I. Wks.	St. Louis, Mo.	3,000	Light structural.
Springfield Br.& I.Wks.	Springfield, Ill.	500	Light struct. & Hwy.
Standard Bridge Co.	Omaha, Neb.	700	Highway.
Sterling Iron Works.	Springfield, Mo.	2,500	Light struct. & Hwy.
Stewart Iron Wks. Co.	Covington, Ky.	300	Light structural.
Stewart Iron Works Co.	Cincinnati, O.	5,000	" "
St. Louis Arch. I. Co.	St. Louis, Mo.	400	" "
Streeter, H. A.	Chicago, Ill.	500	" "
St. Paul Fdry. Co.	St. Paul, Minn.	10,000	Structural.

Steel & Wike.	Philadelphia, Pa.	1,800	Light structural.
Steward & Stevens I.Co.	"	400	"
Stupp Bros.Br.& I. Wks.	St. Louis, Mo.	5,000	Light struct. & Hwy.
Sumner Iron Works.	Everett, Wash.	500	Light structural.
Smith & Lovett Co.	Boston, Mass.	1,200	Structural.
Topeka Bdge. & I. Wks.	Topeka, Kan.	800	Light struct. & Hwy.
Toepfer, Wm. & Sons.	Milwaukee, Wis.	300	" " "
Toledo-Massillon Br.Co.	Massillon, O.	3,500	Hwy. & Struct.
Union Cons.Co.	Sprinfield, Mass.	6,000	Structural.
Union Iron & Fdry. Co.	St. Louis, Mo.	6,000	Light struct. & Hwy.
Union Iron Works.	Los Angeles, Cal.	1,000	" " "
Union Fdry. Works.	Chicago, Ill.	2,000	" " "
United Iron Works Co.	Springfield, Mo.	3,000	Structural.
Valley Iron Works.	Williamsport, Pa.	100	Light structural.
Variety Iron Works.	Cleveland, O.	1,200	Light struct. & Hwy.
Van Dorn Iron Works.	"	2,500	Light structural.
Vaile & Young.	Baltimore, Md.	2,500	"
Virginia Bdge.& Iron Co.	Roanoke, Va.	8,000	Ry. Struct. & Hwy.
Vierling & McDowell Co.	Chicago, Ill.	6,000	Light struct.
Vincennes Bridge Co.	Vincennes, Ind.	1,000	Light struct. & Hwy.
Vogenthaler, E. J.	Dubuque, Ia.	900	" "

Wagner, Adolph F.	Milwaukee, Wis.	3,000	Light structural.
Walton Iron Co.	Cincinnati, O.	300	"
W.Va.Bdge.& Cons.Co.	Wheeling, W. Va.	2,500	" & Hwy.
(Owned by New Jersey Bridge Co.)			
Western Iron Works.	Butte, Mont.	300	Light structural.
" " "	San Francisco.	1,000	" "
Westermann Iron Works.	Seattle, Wash.	600	" "
West Side Fdry. Co.	Troy, N. Y.	500	" "
Whitehead & Kales Co.	Detroit, Mich.	3,000	" "
Williamette Iron & Steel Wks.	Portland, Ore.	500	" "
Wisconsin Bdge. & I. Wks.	Milwaukee, Wis.	18,000	R. R., & Struct.
Worden Allen Co.	"	5,000	" "
York Bridge Co.	York, Pa.	3,000	Highway.
York Fdry.& Engine Wks.	York, Neb.	500	Light structural.
Yant,M.D.& Co.	Allegheny, Pa.	600	
		1,165,725	

DEFENDANTS' EXHIBIT NO. 7.
May 24, 1912.

LIST OF COMPETITORS OPERATING SHOPS, May 15, 1907.

NAME	LOCATION	ANNUAL CAPACITY IN TONS	CLASS OF WORK
Aetna Iron Works.	St. Louis, Mo.	3,000	Lt. Struct. & Hwy.
Albree, Chester B., I. Wks.	Allegheny, Pa.	1,000	" " "
Alexandria Iron Works,	Alexandria, Va.	1,500	Structural.
American Str.St.Co.	Carnegie, Pa.	4,000	" & Hwy.
Anaconda Copper Mining Co., Fdry. Dept.	Anaconda, Mont.	200	Light struct.
Anderson Bdge. & Scraper Co.	Anderson, Ind.	100	Highway.
Armourdale Fdry. Co.	Kansas City, Kas.	3,000	Structural.
Archbold-Brady Co.	Syracuse, N.Y.	1,800	Light structural.
Attica Bdge.& Mach.Co.	Attica, Ind.	1,200	Highway.
Baltimore Bdge.Co.,	Baltimore, Md.	14,400	Hwy., Rwy. & Struct.
Baker Iron Wks., Inc.	Los Angeles, Cal.	2,000	Struct. & Hwy.
Bancroft, Charles P.	Philadelphia, Pa.	400	Light structural.

Banner Iron Works.	St. Louis, Mo.	2,400	Struct. & Hwy.
Barber & Ross.	Washington, D.C.	2,400	Light structural.
Bartlett Steel Co.	Joplin, Mo.	3,000	Structural.
Bayley & Sons Co.	Milwaukee, Wis.	1,200	Struct. & Hwy.
Bedell Struct.Steel & Fdry. Co.	New Orleans, La.	2,500	" " "
Belleville Fdry. Co.	Belleville, Ill.	900	" " "
Belmont Iron Works.	Philadelphia, Pa. Eddystone, Pa.	12,000	Ry. Struct. & Hwy.
Bellefontaine Br.& I.Co.	Bellefontaine, O.	1,500	Light structural.
Berlin Const. Co.	Berlin, Conn.	7,200	Ry. Struct. & Hwy.
Bogert & Carlough.	Paterson, N.J.	500	Struct. & Hwy.
Berry Fdry. Co.,	St. Joseph, Mo.	3,000	R. R. & Castings.
Bolinger, C.L. & Co.	Pittsburg, Pa.	2,000	Light struct. & Hwy.
Bolter, A. & Sons.	Chicago, Ill.	4,000	" " "
Boston Bridge Works.	Cambridge, Mass.	18,000	Ry., Struct. & Hwy.
Bowles, J. R.	Portland, Ore.,	1,000	Struct. & Hwy.
Brackett Bridge Co.	Cincinnati, O.	2,000	Highway.
Brode & Clark.	San Francisco, Cal.	500	Light struct. & Hwy.
Bros Brothers Boiler & Mfg. Co.	Minneapolis, Minn.	7,000	" " "
Brown-Ketchum I. Wks.	Indianapolis, Ind.	18,000	Struct. & Hwy.
Browne, F. O.	Denver, Colo.	250	Structural.
Brown-Ketchum I. Wks.	Greensburgh, Pa.	10,000	Light structural.

Buffalo Struct. St.Co.	Buffalo, N.Y.	4,000	Struct. & Hwy.
Burger Iron Co.	Akron, O.	1,500	Structural.
Cambria Steel Co.	Johnstown, Pa.	30,000	R. R., Struct. & Hwy.
Canton Bdge. Co.	Canton, O.	4,000	Highway.
Capital Iron Works.	Topeka, Kas.	1,000	Structural.
Carlin's Jas.Sons Co.	Pittsburg, Pa.	2,000	Light structural.
Carolina St.Bdge. & Cons. Co.	Burlington, N. C.	4,000	" "
Central Iron Works.	San Francisco, Cal.	400	" "
" " "	Quincy, Ill.	1,000	" "
Champion Iron Co.	Kenton, O.	1,000	" "
Champion Bridge Co.	Wilmington, O.	1,000	" " & Hwy.
Chicago Bdge.& I. Co.	Chicago, Ill.	15,000	R. R., Struct. & Hwy.
Chelmsford Fdry. Co.	Cambridge, Mass.	4,800	Structural.
Chesapeake Iron Wks.	Baltimore, Md.	1,800	Light structural.
Christopher & Simpson.	St. Louis, Mo.	3,000	Architectural.
Clapp, Geo. B.,	Philadelphia, Pa.	400	Light structural.
Clark & Stowe.	Brooklyn, N.Y.	100	" "
Clinton Bdge.& I.Wks.	Clinton, Ia.	6,000	Rwy. & Struct.
Colnick Mfg. Co.	Milwaukee, Wis.	1,000	Light structural.
Colo. Iron Wks. Co.	Denver, Colo.	6,000	Struct. & Hwy.
Columbia Eng. Wks.	Portland, Ore.	100	Light struct. & Hwy.
Columbia Bridge Co.	Carnegie, Pa.	4,000	Hwy. & Struct.

Converse Bridge Co.,	Chattanooga, Tenn.	1,000	Hwy. & Struct.
Converse, H. P. & Co.	Boston, Mass.	1,000	" " "
Cooper, John Co.	New York City.	2,400	Structural.
Cornell,J.B. & J.M.	" " "	20,000	"
Davenport Fdy. & Mch. Co.	Davenport, Ia.	500	Light struct. & Hwy.
Davies, John J.& Co.	Philadelphia, Pa.	3,000	Structural.
Dauchy Iron Works.	Chicago, Ill.	500	Light structural.
Dauphin Bdge.& Cons. Co. (Purchased by Steel & Wike.)	Dauphin, Pa.	3,000	Light struct. & Hwy.
Dearborn Fdry. Co.	Chicago, Ill.	5,000	" " "
Decatur Bridge Co.	Decatur, Ill.	2,000	" " "
DeCoo, Richmond.	Philadelphia, Pa.	1,800	Beam Work.
Denver Iron & Wire Wks.	Denver, Colo.	3,700	Light struct.
DesMoines Bdge.& I.Wks.	Des Moines, Ia.	5,000	" "
Dietrich Bros.	Baltimore, Md.	2,400	Structural.
Dildine Bdge.& Cons.Co.	Cameron, Mo.	1,500	Struct. & Hwy.
Dimond, Thomas N.	New York City.	1,500	Structural.
Duffin Iron Works.	Chicago, Ill.	1,000	Light structural.
Dugro, Philip.	Brooklyn, N. Y.	200	Structural.
Dyer Bros.	San Francisco.	1,800	"
Eastern Steel Co.	Pottsville, Pa.	10,000	Ry., Hwy. & Struct.

Eagle Iron Works.	Brooklyn, N. Y.	100	Light structural.
Eastern Bdge.& Str.Co.	Worcester, Mass.	3,600	Struct. & Hwy.
East Chic.Bdge.& I.Wks.	East Chicago.	3,000	Hwy. & Struct.
Elkhart Bdge. Co.	Elkhart, Ind.	1,000	Highway.
Easton Fdy.& Mach.Co.	Easton, Pa.	2,400	Light struct.
Eau Claire Cornice & Heat. Co.	EauClaire,Wis.	100	" "
Eichleay,John,Jr.,& Co.	Pittsburg, Pa.	4,500	Structural.
Elizabeth Bdge. Co.	Elizabeth, Ill.	12,000	Hwy. & Struct.
El Paso Fdy.& Mach.Co.	El Paso, Tex.	200	Structural.
Enterprise Iron Works	Albert Lea, Minn.	50	Light structural.
Fagan Iron Works.	Hoboken, N. J.	4,800	Structural.
Fair-Williams Bdge. & Mfg. Co.	Ottumwa, Ia.	900	Light struct. & Hwy.
Felgenhauer's E. Sons.	Brooklyn, N. Y.	100	Light structural.
Fischer, Henry C.	" "	100	" "
Fluegal, Anton.	" "	100	" "
Forest City St. & I.Co.	Cleveland, O.	4,000	Struct. & Hwy.
Ft. Pitt Bridge Co.	Pittsburg, Pa.	10,000	" " "
Friberg, James.	Brooklyn, N. Y.	100	Light structural.
Funk, M.,Boiler Wks.	LaCrosse, Wis.	1,000	" "

Garry Iron & St. Co.	Cleveland, O.	2,000	Light structural.
Gerst Bros. Manfg. Co.	St. Louis, Mo.	800	" "
Goeller Iron Works.	Newark, N. J.	500	Light struct. & Hwy.
Guerber Eng. Co.	Bethlehem, Pa.	4,000	Ry., Struct. & Hwy.
Granger Iron Works.	Louisville, Ky.	4,000	Struct. & Highway.
Groton Bridge Co.	Groton, N. Y.	1,800	Hwy. & Light struct.
Halsted, Jos.	Chicago, Ill.	500	Light structural.
Hansell-Elcock Co.	" "	8,000	Struct. & Hwy.
Harris Machine Co.	Minneapolis, Minn.	3,500	Light structural.
Harrower, E. C.	Buffalo, N. Y.	2,000	Structural.
Hackworthy Cons. Co.,	Appleton, Wis.	2,000	Light struct. & Hwy.
Hassel Iron Works, Co.	Colorado Springs.	1,500	Structural.
Hathorn Fdry.& Mach.Co.	Mason City, Ia.	1,200	Light structural.
Hay Fdry.& Iron Works.	Newark, N. J.	40,000	Structural.
Hafers,Chris.I.Wks.Co.	N. Y. City	1,000	Light structural.
Hapel, Adam.	" "	1,000	" "
Hedden Iron Cons.Co.	Newark, N. J.	200	" "
Herzog Iron Works.	St. Paul, Minn.	2,000	Structural.
Hecla Iron Works.	Brooklyn, N. Y.	1,000	"
Heyl & Patterson.	Pittsburg.	5,000	"
Hinkle Iron Co.	New York City	500	Light structural.
Hobell,H.M.& Co.	" " "	200	" "

Hofius, W.D. & Co.	Seattle, Wash.	100	Light struct. & Hwy.
Holmes, Pyott & Co.	Chicago, Ill.	3,000	" " "
Horn, Wm. Struct. I. Wks.	" "	1,000	" " "
Howell, H. M. & Co.	New York City.	200	Light structural.
Hudson Str. Co.	Jersey City.	1,500	Structural.
Hennepin Bridge Co.	Minneapolis, Minn.	50	Light struct. & Hwy.
Illinois Bridge Co.	Sullivan, Ill.	1,500	Highway.
Illinois Steel Bdge. Co.	Jacksonville, Ill.	2,500	Light struct. & Hwy.
Indiana Bridge Co.	Muncie, Ind.	6,000	" " "
Indinapolis Bdge. & I. Wks.	Indinapolis.	2,500	" " "
Iron City Mfg. Co.	Pueblo, Colo.	3,500	" " "
Jardine, John R.	Fargo, Ind.	100	Light struct. & Hwy.
Joliet Bdge. & I. Co.	Joliet, Ill.	3,600	" " "
Judson Mfg. Co.	San Francisco.	2,500	" " "
Jones & Laughlins St. Co.	Pittsburg.	30,000	R. R., Struct. & Hwy.
Jones, Benj. F.	New York City.	200	Light structural.
Kas. City Str. Steel Co.	Argentine, Kas.		
Kas. City Wire & I. Wks.	Kansas City, Mo.	4,000	Structural.
Kaw Boiler Works.	" "	500	Light structural.

Kent, W.D. I. Wks.	Chicago, Ill.	600	Light structural.
Kenwood Bridge Co.	" "	6,000	Light struct.& Hwy.
King,Geo.W. Bdge. Co.	Des Moines, Ia.	2,500	Highway.
Kratzer, W.H. & Co.	Pittsburg, Pa.	3,600	Light structural.
Kunert Mfg. Co.	Watertown, Wis.	300	" "
Keystone Str. Co.	Royersford, Pa.	4,800	Hwy. & Struct.
Kreatz, F. E.	St. Cloud, Minn.	50	Light structural.
LaCrosse Steel Roof. & Corr. Co.	La Crosse, Wis.	600	Struct. & Hwy.
Lawrence Iron Works.	Lawrence, Kas.	600	Architectural.
Leavenworth Bridge Co.	Leavenworth, Kas.	300	Highway.
Levering & Garrigues.	New York City.	5,000	Structural.
Lewinson & Co.	" " "	500	Beam Work.
Lewis, Jas.C. & Co.	Detroit, Mich.	3,000	Light structural.
Llewellyn Iron Works.	Los Angeles, Cal.	3,000	" "
Louisville Bdge.& I.Wks.	Louisville, Ky.	8,000	Railroad.
Lauer & Harper.	Westport, Md.	3,000	Rwy. Hwy. & Struct.
Lukens I. & St. Co.	New Orleans, La.	2,000	Light structural.
McCullough, George.	Hammond, Wis.	100	R. R., Struct & Hwy.
McClintic-Marshall	Pittsburg, Pa.	70,000	" " "
Const. Co.	Pottstown, Pa.	35,000	" " "

McCarthy, A. F. & Co.	Phildelphia, Pa.	400	Light structural.
McKay, Thomas.	New York City.	500	" "
McGill, Jas. H.	Washington, D. C.	100	Structural.
McMurray, Robt.E. & Bro.	Brooklyn, N. Y.	100	Light structural.
Mesker & Brother.	St. Louis, Mo.	600	Light struct. & Hwy.
Megquier & Jones Co.	Portland, Me.	3,000	" " "
Melan Arch.Struct.Co.	New York City.	600	Light structural.
Minneapolis St.& Mach.Co.	Minneapolis,Minn.	18,000	R. R., Struct. & Hwy.
Missouri Bridge Co.	E.St.Louis,Ill.	1,000	Highway.
Missouri Val.Bdge.& Iron Co.	Leavenworth, Kas.	2,000	R. R., Struct. & Hwy.
Michigan Bridge Co.	Portland, Mich.	100	Light struct. & Hwy.
Milliken Bros.	New York City.	36,000	R. R., Hwy. & Struct.
Milwaukee Bridge Co.	Milwaukee, Wis.	10,000	Highway.
Modern Struct.Steel Co.	Waukesha, Wis.	6,000	Struct. & Hwy.
Moore Bros. Foundry.	Wichita, Kas.	500	Structural.
Montana Iron Works.	Butte, Mon.	150	Light structural.
Mosher Mfg. Co.	Dallas, Tex.	2,700	" "
Morava Cons.Co.	Chicago, Ill.	6,000	Light struct. & Hwy.
Mt.Vernon Bridge Co.	Mt. Vernon, O.	4,500	R. R., Struct. & Hwy.
Myer Bros.	Mankato, Minn.	100	Light struct. & Hwy.

National Iron Works.	St. Louis, Mo.	1,200	Light structural.
New England Struct.Co.	Boston & Everett.	12,000	Ry. & Struct.
New Prague Fdry.Co.	New Prague, Minn.	1,100	" "
N.Y. Bridge & I.Co.	New York City.	300	Light struct. & Hwy.
New Jersey Bridge Co.	Manasquan, N. J.	5,000	Hwy. & Struct.
Noble Patrick.	San Francisco.	1,000	Structural.
Noelle-Richards I.Wks.	Indianapolis.	6,000	Light structural.
Oklohama City Fdy.& Mach. Shop.	Okla. City.	2,000	Castings & Beam Work.
Oregonia Bridge Co.	Lebanon, O.	1,000	Light struct. & Hwy.
Owego Bridge Co.	Owego, N. Y.	3,600	Ry., Light str. & Hwy.
Omaha Str. St. Works.	Omaha, Neb.	300	Structural.
Pacific Iron Works.	Portland, Ore.	100	Light struct.
Pan-American Bridge Co.	New Castle, Ind.	1,000	Light str. & Hwy.
Parker,Thatcher A.	Terre Haute, Ind.	1,500	Light structural.
Potthoff, W. F. Co.,The	Cincinnati, O.	5,000	" "
Passaic Steel Co.	Paterson, N. J.	24,000	R. R., Struct. & Hwy.
Paxton & Vierling I.Wks.	Omaha, Neb.	7,500	Structural.
Pennsylvania Steel Co.	Steelton, Pa.	100,000	Ry., Hwy., & Str.
Penn Bridge Co.	Beaver Falls, Pa.	5,000	" " "
Phoenix Bridge Co.	Phoenixville,Pa.	48,000	" " "

Pitts Bdge. & I. Wks.Co.	Rochester, Pa.	2,000	Structural.
Piermont & Heaton.	Provo, Utah.	500	Light structural.
Pittsburg St.Cons.Co.	Economy,Pa.	4,000	Structural.
Pirkl,John, Iron Wks.	Brooklyn, N. Y.	1,500	Light structural.
Portage Iron Works.	Portage, Wis.	100	" "
Poppke & Son.	Brooklyn, N. Y.	100	" "
Presteem, Peter.	Nero, Wis.	100	" "
Prince Iron Works.	New York City.	1,000	" "
Providence St.& I.Co.	Providence, R. I.	1,500	Structural.
Puget Sound Dry-Dock & Mch. Co.	Tacoma, Wash.	1,200	Light structural.
" Sound Bdge. & Dredging Co.	Seattle, Wash.	100	" "
Pietsch,Ferd.Str.I.Wks.	Chicago.	1,000	Structural.
Quackenbush, Jno.H.	Webster City, Ia.	75	Light struct. & Hwy.
Rarig Eng. Co.	Columbus, O.	500	Light struct. & Hwy.
Ralston Iron Works.	San Francisco.	1,000	Structural.
Radley, J. J. & Co.	New York City.	1,800	Struct. & Hwy.
Rapp Iron Works.	" " "	600	Beam & Light Work.
Ravitch Bros.	" " "	500	Light structural.
Riter-Conley Mfg.Co.	Pittsburg, Pa.	25,000	R. R., Struct. & Hwy.

Rochester Bdge.& Cons.Co.	Montour Falls.	2,400	Light struct. & Hwy.
Rochester Bridge Co.	Rochester, Ind.	800	Light str. & Hwy.
Riverside Bridge Co.	Wheeling, W. Va.	3,000	" " "
Riverside Iron Works.	Kansas City, Mo.	3,500	Castings.
Rogers Iron Co.	Springfield, O.	500	Light structural.
Russel Wheel & Fdry.Co.	Detroit, Mich.	600	" "
Salt Lake Eng.Wks.	Salt Lake City.	1,000	Light str. & Hwy.
Sandblom,Gustave,Arch. I. Wks.	Brooklyn.	1,000	Structural.
Schraders Iron Works.	San Francisco.	400	Light structural.
Schreiber, L. & Sons Co.	Cincinnati.	6,000	Str. & Hwy.
Schurk Iron Works.	St. Louis, Mo.	700	Light structural.
Scaar, Frank & Co.	Chicago, Ill.	1,000	" "
Scaife, Wm.B. & Sons Co.	Pittsburg, Pa.	4,000	Light struct. & Hwy.
Scully St. & I.Co.	Chicago, Ill.	2,000	Structural.
Seaton,Jno.Fdry.&Mfg.Co.	Atchinson, Kas.	8,000	"
Seavers Mfg.Co.	Oskaloosa, Ia.	600	Light structural.
Seattle Hardware Co.	Seattle, Wash.	500	" "
Sherwin, E. C. & Son.	Brendon, Wis.	300	" "
Shorthill, A.E. Co.	Marshalltown, Ia.	3,600	" "
Silver Bros. I.Wks.	Salt Lake City.	2,500	" "
Skobis Bros.	Milwaukee, Wis.	3,600	" "

Smeeth Co.	Chicago, Ill.	5,000	Struct. & Hwy.
Smith, G.W. & F., I.Co.	Boston, Mass.	6,000	Structural.
Snare & Triest Co.	New York City.	600	Struct. & Beam.
Shoemaker, Lewis.	Pottstown, Pa.	10,000	Ry. Hwy. & Struct.
Snead & Co. I. Wks.	Jersey City, N. J.	2,400	Light Struct. & Hwy.
Snead Arch. I.Wks.	Louisville, Ky.	2,500	" " "
S.Halstead Sr. I.Wks.	Chicago, Ill.	6,000	Structural.
Southern Bridge Co.	Birmingham, Ala.	1,500	Highway.
Southwestern Bdg.& I.Co.	Enid, O. T.	400	"
Spuck, J. Arch.I.Wks.	St. Louis, Mo.	2,400	Light structural.
Springfield Bdge.& I.Wks.	Springfield, Ill.	500	" " & Hwy.
Standard Bridge Co.	Omaha, Neb.	700	Highway.
Sterling I. Wks.	Springfield, Mo.	2,500	Light struct. & Hwy.
Stewart Iron Wks.Co.	Covington, Ky.	800	Jail Work.
" " " "	Cincinnati, O.	3,000	Light structural.
St.Louis Arch.I.Co.	St. Louis, Mo.	400	" "
Streeter, H.A.	Chicago, Ill.	500	" "
St.Paul Fdry.Co.	St. Paul, Minn.	10,000	Structural.
Steel & Wike.	Philadelphia, Pa.	3,600	Light structural.
(Have purchased Dauphin Bdge. & Cons. Co.)			
Stupp Bros.Bdge.& I.Wks.	St. Louis, Mo.	5,000	Light struct. & Hwy.
Sumner Iron Works.	Everett, Wash.	500	Light structural.
Smith & Lovett Co.	Boston, Mass.	1,200	Structural.

Topeka Bdge.& I. Wks.	Topeka, Kans.	1,000	Struct. & Hwy.
Toepfer, Wm. & Sons.	Milwaukee, Wis.	300	Light struct. & Hwy.
Toledo Massillon Bdge.Co.	Massillon, O.	6,000	Hwy. & Struct.
Tower, J.H. & Co.	Providence, R. I.	1,200	Structural.
Union Cons.Co.	Springfield, Mass.	6,000	"
Union Iron Works.	Los Angeles, Cal.	1,000	Light struct. & Hwy.
Union Iron & Fdry.Co.	St. Louis,Mo.	6,000	" " "
Union Foundry Works.	Chicago, Ill.	2,000	" " "
United Iron Works Co.,	Springfield, Mo. Aurora,Mo. Iola, Kan. Pittsburg, Kan.	10,000	Structural.
Valley Iron Works.	Williamsport, Pa.	100	Light structural.
Variety Iron Works.	Cleveland, O.	2,000	Light struct. & Hwy.
Van Dorn Iron Works.	Cleveland, O.	2,500	Light struct.
Vaile & Young.	Baltimore, Md.	2,500	" "
Virginia Bdge.& I.Co.	Roanoke, Va.	12,000	Ry. & Hwy.
Vierling & McDowell Co.	Chicago, Ill.	6,000	Structural.
Vincennes Bridge Co.	Vincennes, Ind.	1,000	Light struct. & Hwy.
Vogenthaler, E. G.	Dubuque, Ia.	900	" " "

Wagner, Adolph F.	Milwaukee, Wis.	3,000	Light structural.
Walton Iron Co.	Cincinnati, O.	300	" "
W.Va.Bdge.& Cons.Co. (Owned by N.J.Bdge.Co.)	Wheeling, W. Va.	2,500	Light struct. & Hwy.
Western Iron Works.	Butte, Mont.	300	Light structural.
" " "	San Francisco.	1,000	" "
Westermann Iron Works.	Seattle, Wash.	600	" "
West Side Fdry.Co.	Troy, N. Y.	500	" "
Whitehead & Kales Co.	Detroit, Mich.	3,000	" "
Williamette I.& S.Co.	Portland, Ore.	500	" "
Wisconsin Bdge.& I.Co.	Milwaukee, Wis.	18,000	R. R., & Struct.
Worden Allen Co.	" "	5,000	" "
York Bridge Co.	York, Pa.	3,000	Highway.
York Fdry.& Eng.Wks.	York, Neb.	500	Light structural.
Yant, N.D. & Co.	Allegheny, Pa.	300	" "
		1,214,825	

DEFENDANTS' EXHIBIT NO. 8.
May 24, 1912.

LIST OF COMPETITORS OPERATING SHOPS, May 15th, 1908.

NAME	LOCATION	ANNUAL CAPACITY IN TONS	CLASS OF WORK
Aetna Iron Works.	St. Louis, Mo.	3,000	Light struct. & Hwy.
Albree, Chester B.& I.Wks.	Allegheny, Pa.	1,200	Light structural.
Alderhurst Iron Co.	New Haven, Conn.	200	Structural.
Alexandria Iron Works.	Alexandria, Va.	2,000	Light structural.
Anaconda Copper Mining Co. Foundry Dept.	Anaconda, Mont.	200	" "
Anderson Bridge & Scraper Co.	Anderson, Ind.	100	Highway.
Armourdale Fdry.Co.	Armourdale, Kan.	6,000	Struct. & castings.
Archbold-Brady Co.	Syracuse, N. Y.	1,500	Structural.
Attica Bdge.& Mach.Co.	Attica, Ind.	1,200	Highway.
Atlas Iron Wks.	Minneapolis, Minn.	2,000	Castings.
Baker Iron Works.	Los Angeles, Cal.	4,000	Structural.
Baltimore Bdge. Co.	Baltimore, Md.	20,000	Rwy. Str. & Hwy.
Bancroft, Chas. P.	Philadelphia, Pa.	900	Light structural.

Banner Iron Works.	St. Louis, Mo.	2,400	Struct. & Hwy.
Barber & Ross.	Washington, D. C.	6,000	Light structural.
Bayley, Wm. & Sons Co.	Milwaukee, Wis.	500	Structural.
Becker Iron Works.	New York City.	750	"
Bedall Struct. Steel & Fdy. Co.	New Orleans, La.	2,500	Structural & Hwy.
Belleville Fdry. Co.	Belleville, Ill.	900	" "
Belmont Iron Wks.	Philadelphia & Eddystone, Pa.	12,000	Ry. Str. & Hwy.
Berlin Cons. Co.	Berlin, Conn.	7,000	" "
Bellefontaine Bdge.Co.	Bellefontaine, O.	2,000	Light struct. & Hwy.
Beyer, Charles Co.	New York City.	500	Light Str. & Beams.
Berkeley Steel Co.	San Francisco.	1,000	Structural.
Berry Fdy. Co.	St. Joseph. Mo.	1,000	R. R. Casting & Str.
Bethlehem Fdy.& Mach.Co.	So Bethlehem, Pa.	500	Light structural.
Bethlehem Steel Co.	" "	30,000	Structural.
Biggin, Charles P.	Philadelphia, Pa.	800	Light structural.
Bogert & Calough.	Paterson, N. J.	1,000	Struct. & Hwy.
Bollinger, Andrews Co.	Pittsburgh, Pa.	3,000	Light struct.
Bolter, A. & Sons.	Chicago, Ill.	4,000	Light str. & Hwy.
Boston Bridge Works.	Cambridge, Mass.	24,000	Ry. Str. Hwy.
Bowles, J. H.	Portland, Ore.	6,000	Struct. & Hwy.
Bridgeport Boiler Wks.	Bridgeport, Conn.	100	Structural.

Brode & Clark	San Francisco.	500	Structural.
Bros Boiler & Mfg.Co.	Minneapolis.	5,000	Light str. & Hwy.
Brooks, T. H. & Co.	Cleveland, O.	7,500	Structural.
Brown-Ketchum I. Wks.	Indianapolis.	15,000	"
" " "	Greensburgh, Pa.	6,000	"
Brown, F. O.	Denver, Colo.	1,000	"
Buffalo Str. St. Co.	Buffalo, N. Y.	6,000	Struct. & Hwy.
Burger Iron Co.	Akron, O.	500	Structural.
Caldwell & Drake.	Columbus, Ind.	1,500	Structural & Hwy.
Cambria Steel Co.	Johnstown, Pa.	25,000	R. R. Str. & Hwy.
Canton Bridge Co.	Canton, O.	4,500	Highway.
Capital Iron Works.	Topeka, Kan.	2,000	Light structural.
Central Iron Works.	San Francisco.	800	Structural.
" " "	Quincy, Ill.	1,000	Light structural.
Central States Bdge.Co.	Indianapolis.	4,000	R. R., Str. & Hwy.
Champion Bridge Co.	Wilmington, O.	1,500	Highway.
Champion Iron Co.	Kenton, O.	2,000	Light structural.
Chelmsford Fdry. Co.	Cambridge, Mass.	5,000	Struct. & Castings.
Chesapeake Iron Works.	Baltimore, Md.	6,000	Light struct.
Chicago Brgde & Iron Co.	Chicago, Ill.	15,000	R. R., Struct. & Hwy.
Christopher & Simpson.	St. Louis, Mo.	3,000	Structural.
Clapp, Geo. B.	Philadelphia, Pa.	800	Light structural.

Clark & Stowe.	Brooklyn, N. Y.	5,000	Light structural.
Clinton Bdge. & I.Wks.	Clinton, Ia.	5,000	Hwy. & Struct.
Cody, J. J.	South Brooklyn.	500	Light struct. & Beams.
Colnick Mfg. Co.	Milwaukee, Wis.	500	Light structural.
Colo. Iron Wks. Co.	Denver, Colo.	1,000	Structural.
Converse Bridge Co.	Chattanooga, Ten.	4,000	Highway & Struct.
Converse, H.P. & Co.	Boston, Mass.	1,000	" "
Cooper, John Co.	New York City.	2,400	Structural.
Cornell,J.B. & J.M.	New York City & Cold Springs, N. Y.	30,000	"
Cowing, J. P. & Co.	Cleveland, O.	3,000	Struct. & Hwy.
Crown Iron Works.	Minneapolis.	4,000	Light structural.
Cruse, Kemper Co.	Ambler, Pa.	800	" "
Darbyshire Harvie Iron & Mach. Co.	El Paso, Tex.	500	Structural.
Dauchy Iron Works.	Chicago, Ill.	500	"
Dauphin Bdge. & Cons.Co. (Purchased by Steel & Wike.)	Dauphin, Pa.	3,000	Light Struct. & Hwy.
Davenport Fdry.& Mach.Co.	Davenport,Ia.	500	" " "
Davies, John J. & Co.	Philadelphia.	3,000	Structural.
Dearborn Fdry. Co.	Chicago, Ill.	5,000	Light struct. & Hwy.
Decatur Bdge. Co.	Decatur, Ill.	2,000	" " "

eCou, Richmond.	Philadelphia.	1,200	Light str. & beam work.
esMoines Bdge.& I.Wks.	Des Moines, Ia.	15,000	Light structural.
ietrich Bros.	Baltimore, Md.	15,000	Struct. & Castings.
ildine Bdge.& Cons.Co.	Cameron, Mo.	1,500	Struct. & Hwy.
imond, Thomas N.	New York City.	2,400	Structural.
onovan Wire & Iron Wks.	Toledo, O.	2,000	"
uffin Iron Works.	Chicago, Ill.	1,000	Light structural.
ugro, Philip & Son.	Brooklyn, N. Y.	500	Structural.
yer Bros.	San Francisco.	10,000	"
agle Iron Works.	Brooklyn, N. Y.	500	Light structural.
arnest, C.F.	Buffalo, N. Y.	3,000	Structural.
astern Steel Co.	Pottsville, Pa.	10,000	Ry., Hwy. & Str.
astern Bdg. & Str.Co.	Worcester, Mass.	6,000	Struct. & Hwy.
ast Chicago Bdge.& I. Wks.	East Chicago.	3,600	Hwy. & Str.
aston Fdy. & Mach.Co.	Easton, Pa.	1,200	Light struct.
auClaire Cornice & Heat Co.	EauClaire, Ia.	100	" "
ichleay, John Jr.& Co.	Pittsburg, Pa.	6,000	Structural.
lkhart Bdge. Co.	Elkhart, Ind.	1,000	Highway.
lizabeth Bdge. Co.	Elizabeth, Ill.	12,000	Hwy. & Struct.
l Paso Fdry. & Mach.Co.	El Paso, Tex.	1,000	Structural.

Elwell, H.F.	Springfield, Mass.	150	Light structural.
Enterprise Iron Works.	Albert Lea, Minn.	50	" "
Fagan Iron Works.	Hoboken, N. J.	4,800	Structural.
Fair-Williams Bridge & Mfg. Co.	Ottumwa, Ia.	900	Highway.
Felgenhauer's E. Sons.	Brooklyn, N. Y.	500	Light structural.
Fletcher & Crowell.	Portland, Me.	1,800	Structural.
Fluegal, Anton.	Brooklyn, N. Y.	1,000	Light structural.
Forest City St.& I.Co.	Cleveland, O.	6,000	Struct. & Hwy.
Ft. Pitt Bdge.Co.	Pittsburg, Pa.	18,000	Struct. Rwy. & Hwy.
Friberg, James.	Brooklyn, N. Y.	100	Light structural.
Funk, M. Boiler Wks.	LaCrosse, Wis.	1,000	" "
Garry Iron & St. Co.	Cleveland, O.	2,000	Structural.
Gerst Bros. Mfg.Co.	St. Louis, Mo.	800	Light structural.
Goeller Iron Works.	Newark, N. J.	500	Light str. & Hwy.
Grainger Iron Works.	Louisville, Ky.	6,000	Rwy. Str. & Hwy.
Groton Bridge Co.	Groton, N. Y.	2,500	Ry. Light struct.& Hwy
Guerber Eng. Co.	Bethlehem, Pa.	2,500	Struct. & Hwy.
Hackendahl & Schmidt.	Milwaukee, Ia.	1,000	Light structural.
Hackworthy Cons. Co.	Appleton, Wis.	2,000	Light struct. & Hwy.

Hafers, Chris. I. Wks.	N. Y. City.	500	Light structural.
Halsted, Jos.	Chicago, Ill.	500	" "
Hansell Elcock Co.	"	8,000	Struct. & Hwy.
Harris Mach. Co.	Minneapolis.	3,500	Light structural.
Harrower, E. C.	Buffalo, N. Y.	1,500	Beam punching only.
Hathorn Fdry.& Mach. Co.	Mason City, Ia.	1,200	Light structural.
Happel, Adam.	New York City.	1,000	" "
Hay Fdry. & I.Wks.	Newark, N. J.	20,000	Struct. & Castings.
Hecla Iron Wks.	Brooklyn, N. Y.	1,000	Structural.
Hedden Iron Cons.Co.	Newark, N. J.	200	Light structural.
Herzog Iron Works.	St. Paul, Minn.	4,000	Structural.
Hetherington & Berner.	Indianapolis.	3,000	"
Heyl & Patterson.	Pittsburg, Pa.	3,000	Light structural.
Hennepin Bridge Co.	Minneapolis.	50	Light struct. & Hwy.
Hinkle Iron Co.	New York City.	6,000	Light struct.
Hitner's, Henry A. Sons.	Philadelphia.	1,000	Light struct. & Beams.
Hobell, H. M. & Co.	New York City.	200	Light struct.
Hofius Steel Equipment Co.	Seattle, W.	600	Light struct. & Hwy.
Holmes, Pyett & Co.	Chicago, Ill.	3,000	" " "
Horn, Wm. Struct. I.Wks.	"	1,000	" " "
Hoff, Herman.	Brooklyn, N. Y.	500	Light struct.- beams.
Howell, H. M. & Co.	New York City.	200	Light structural.

Hub City Iron Wks.	Aberdeen, N. D.	1,000	Struct. & Castings.
Hudson Str.St.Co.	New York City.	1,200	Structural.
Hassel Iron Works Co.	Colo.Springs,Colo.	250	"
Illinois Bridge Co.	Sullivan, Ill.	1,500	Highway.
Illinois St. Bdge. Co.	Jacksonville, Ill.	2,500	Light struct. & Hwy.
Indiana Bdge. Co.	Muncie, Ind.	5,000	R. R., Struct. & Hwy.
Indianapolis Bdge.& I.Wks.	Indianapolis.	2,500	Light struct. & Hwy.
Insley Iron Works.	Indianapolis.	500	Structural.
Interstate Engr. Co.	Cleveland, O.	5,000	Light struct. & Hwy.
Iron City Mfg. Co.	Pueblo, Colo.	200	Hwy.(Practically no struct.)
Irvins, Walter.	L. I. City, N. Y.	1,000	Structural.
Jardine, John R.	Farho, Ind.	100	Light structural & Hwy
Jeffrey, Daniel.	Jeanerette, La.	400	Light structural.
Joliet Bdge. & I.Co.	Joliet, Ill.	3,600	Light struct. & Hwy.
Jones & Laughlin St.Co.	Pittsburg, Pa.	30,000	R. R., Str. & Hwy.
Jones, Benj. F.	New York City.	200	Light structural.
Judson Iron Works.	San Francisco.	5,000	Structural.
Kansas City Str.St.Co.	Argentinem, Kan.	1,800	Structural.
Kansas City Wire & I.Wks.	Rosedale, Kan.	5,000	"

Kaw Boiler Works.	Kansas City, Mo.	500	Structural.
Kent, W.D. Iron Wks.	Chicago, Ill.	600	Light structural.
Kenwood Brge. Co.	"	6,000	R. R., Str. & Hwy.
Keystone Str.St.Co.	Royersford, Pa.	5,000	Ry. Str. & Hwy.
King Bridge Co.	Cleveland, O.	20,000	" "
King, Geo.Bdge.Co.	DesMoines, Ia.	2,500	Highway.
Kratzer, W.N. & Co.	Pittsburg,Pa.	5,000	Struct. & Hwy.
Kreatz, F.H.	St. Cloud, Minn.	50	Light structural.
Kunert Mfg. Co.	Watertown, Wis.	3,000	Light struct. & Hwy.
LaCrosse Steel Roofing & Corrugated Co.	LaCrosse, Wis.	600	Structural,Ry. & Hwy.
Lauer & Harper.	Baltimore, Md.	10,000	" " "
Lawrence Iron Works.	Lawrence, Kan.	600	Architectural.
Leavenworth Bridge Co.	Leavenworth, Kan.	300	Highway.
Lenox Iron Works.	New York City.	500	Beams & Light struct.
Levering & Garrigues.	New York City.	18,000	Structural.
Lewinson & Co.	"	500	Beam Work.
Lewis, Jas. C. & Co.	Detroit, Mich.	1,000	Light structural.
Llewellyn Iron Works.	Los Angeles, Cal.	10,000	Structural.
Liberty Iron Works.	New York City.	500	Light structural-Beams
Louisville Bdge.& I.Co.	Louisville, Ky.	8,000	Railroad.
Lukens Iron & St.Co.	New Orleans, La.	2,000	Light structural.
Lyon, W. E. Iron Wks.	New York City.	500	Beams and Light struct

McCullough A. F.& Co.	Philadelphia, Pa.	100	R. R., Str. & Hwy.
McCarthy, A. F. & Co.	Philadelphia, Pa.	400	Light structural.
McClintic-Marshall Cons. Co.	Pittsburg, Pa.	60,000	R. R., Str. & Hwy.
" " "	Carnegie, Pa.	12,000	" "
" " "	Pottstown, Pa.	36,000	" "
McDougall-Potter Co.	New York City.	1,000	Beams & Light struct .
McGil, James H.	Washington, D.C.	100	Structural.
McKinney,Jas.& Son.	Albany, N. Y.	500	Struct. & Ornamental.
McMurray, Robt.W.& Bro.	Brooklyn, N. Y.	2,500	Light structural.
Megquier & Jones Co.	Portland, Me.	4,800	Structural.
McIan Arch.Cons.Co.	New York-City.	-600	Light structural.
Merritt & Co.	Philadelphia, Pa.	800	Light struct.& Ornamental.
Mesker & Bro.	St. Louis, Mo.	600	Light str. & Hwy.
Milwaukee Bdge. Co.	Milwaukee, Wis.	10,000	R. R., Struct. & Hwy.
Milliken Bros.	New York City.	36,000	" "
Michigan Bdge.Co.	Portland, Mich.	100	Light str. & Hwy.
Minneapolis Steel & Mach. Co.	Minneapolis.	25,000	R. R., Struct. & Hwy.
Missouri Bdge. Co.	E. St. Louis, Ill.	1,000	Highway.
Missouri Bdge.& I.Co.	Leavenworth, Kan.	3,000	R. R., Str. & Hwy.
Modern Str. St. Co.	Waukesha, Wis.	10,000	" " "

Moore Bros.Fdy.	Wichita, Kan.	1,000	Struct. & Castings.
Montana Iron Works.	Butte, Mon.	250	Structural.
Mortensen Cons.Co.	San Francisco.	600	"
Moresi Fdy.& Mach.Co.	Jeanerette,La.	400	Light structural.
Mosher Mfg. Co.	Dallas, Tex.	2,700	" "
Morava Cons. Co.	Chicago, Ill.	6,000	R. R., Struct. & Hwy.
Mt.Vernon Bridge Co.	Mt.Vernon, O.	7,500	" " "
Myer Bros.	Mankato, Minn.	100	Light struct. & Hwy.
National Iron & Wire Co.	Cleveland, O.	2,500	Structural.
National Bridge Works.	L.I. City, N. Y.	5,000	"
National Iron Works.	St. Louis, Mo.	1,200	Light structural.
National Iron Works.	Spokane, Wash.	300	" "
New England Struct.Co.	Boston & Everett, Mass.	24,000	Ry. & Struct.
New Jersey Bridge Co.	Manasquan, N. J.	7,200	Hwy. & Struct.
New Prague Fdy.Co.	New Prague, Minn.	1,100	" "
New York Bdge. & Iron Co.	New York City.	300	Light struct. & Hwy.
Noelke Richards I.Wks.	Indianapolis.	3,000	Light structural.
North Penn Iron Co.	Philadelphia.	600	" "
Northwestern Fdy. Co.	Minneapolis.	6,000	Struct. & Hwy.
Northern Boiler & Cons. Wks.	Appleton, Wis.	500	Light str.& Light Hwy.

Oklahoma City Fdy.& Mach. Shop.	Okla. City.	100	Castings.
Omaha Str. St. Wks.	Omaha, Neb.	300	Light highway.
Oregonia Bdge. Co.	Oregonia. O.	1,000	Highway.
Ottumwa Bdge. Co.	Ottumwa, Ia.	3,500	Struct. & Hwy.
Owego Bridge Co.	Owego, N. Y.	3,500	Ry.Light Str.& Hwy.
Pacific Iron Works.	Portland, Ore.	1,200	Light structural.
Pacific Rolling Mills Co.	San Francisco.	9,000	Structural.
Pan American Bridge Co.	New Castle, Ind.	2,500	Highway.
Parker, Thatcher A.	Terre Haute, Ind.	1,500	Light structural.
Passaic Steel Co.	Paterson, N. J.	18,000	R. R. Struct. & Hwy.
Paxton & Vierling I.Wks.	Omaha, Neb.	8,000	Structural.
Pearson, S.P. & Co.	New York City.	1,200	Beams & Light struct.
Pennsylvania Steel Co.	Steelton, Pa.	90,000	Hwy. Ry. & Str.
Penn Bridge Co.	Beaver Falls, Pa.	6,000	" " "
Phoenix Iron Co.	Phoenixville,Pa.	40,000	" " "
Phoenix Bridge Co.	" "		
Pietsch,Ford,Str.I.Wks.	Chicago, Ill.	1,000	Structural.
Pirkl, John I. Wks.	Brooklyn, N.Y.	6,000	"
Pittsburg, Bdge. & Iron Wks.	Rochester, Pa.	3,000	"
Pittsburg St.Cons.Co.	Economy, Pa.	4,000	"

Popke & Son.	Brooklyn, N. Y.	500	Light structural.
Portage Iron Works.	Portage, Wis.	100	" "
Presteem, Peter	Nero, Wis.	100	" "
Prince Iron Works.	New York City.	1,000	" "
Providence St.& I.Co.	Providence, R. I.	1,500	Struct. & Castings.
Potthoff, W. & Co.	Cincinnati.	4,000	Structural.
Pueblo Fdy.& Mach.Co.	Pueblo, Colo.	200	"
Puget Sound Dry-dock & Mach. Co.	Tacoma, Wash.	100	Light structural.
Prova Foundry & Mach.Co. (Formerly Pierpont & Heaton.)	Prova, Utah.	100	" "
Quackenbusch, Jno. M.	Webster City, Ia.	75	Light struct. & Hwy.
Radley, J.J. & Co.	New York City.	1,500	Structural.
Ralston Iron Works.	San Francisco.	5,000	"
Rapp Iron Works.	New York City.	600	Beam and light work.
Rarig Eng. Co.	Columbus, O.	500	Light structural.
Ravitch Bros.	New York City.	2,000	Structural.
Remppis, Wm. F. Co.	Reading, Pa.	1,000	Light struct. & Orn.
Reynolds, E. & P. Co.	New York City, N.Y.	500	Structural.
Riter-Conley Mfg.Co.	Pittsburg, Pa.	15,000	R. R. & Struct.
Riverside Bridge Co.	Wheeling, W.Va.	7,000	R. R., Struct. & Hwy.

Riverside Iron Works.	Kansas City, Mo.	3,500	Castings.
Rochester Bdge.& Cons.Co.	Montour Falls.	2,400	Light struct. & Hwy.
Rochester Bridge Co.	Rochester, Ind.	800	" " "
Ross, German & Co.	New York City.	500	Beams and light struct.
Rodgers Iron Co.	Springfield, O.	500	Structural.
Republic Iron & Wire Co.	Cleveland, O.	2,500	"
Russell Wheel & Fdy.Co.	Detroit, Mich.	8,000	"
Salt Lake Eng.Wks.	Salt Lake City.	300	Light struct. & Hwy.
Sandblom,Gustave, Arch. Iron Works.	Brooklyn, N. Y.	1,000	Structural.
Scaar, Frank & Co.	Chicago, Ill.	1,000	Light structural.
Scaife, Wm.B.& Sons Co.	Pittsburg,Pa.	6,000	" "
Scherbner, Paul I.Wks.	New York City.	500	Structural.
Schrader Iron Works.	San Francisco.	600	"
Schreiber,L. & Sons Co.	Cincinnati.	6,000	Structural & Hwy.
Schurk Iron Works.	St. Louis, Mo.	700	Light structural.
Scully St. & I.Co.	Chicago, Ill.	2,000	Structural.
Seaton, Jno.Fdy.& Mfg.Co.	Atchison, Kan.	9,000	Struct. & Castings.
Seattle Hardware Co.	Seattle, Wash.	500	Light structural.
Seavers Mfg. Co.	Oskaloosa, Ia.	600	" "
Seneca Eng. Co.	Montour Falls.	1,000	Struct. & Hwy.
Sherwin, E. C. & Son.	Brendon, Wis.	100	Light struct. & Hwy.

Shorthill, A. E.	Marshalltown.	5,000	Light structural.
Shoemaker, Lewis.	Pottstown, Pa.	10,000	Ry. Str. & Hwy.
Silver Bros. I.Wks.	Salt Lake City.	1,000	Structural.
Skobis Bros.	Milwaukee, Wis.	3,600	Light structural.
Smeeth Co.	Chicago, Ill.	5,000	Struct. & Rwy.
Smith, G.W. & F.Iron Co.	Roxbury, Mass.	5,000	Struct. & Castings.
Smyser, Royer Co.	York, Pa.	600	Light str. & Orn.
Smith & Lovett Co.	Boston, Mass.	1,200	Structural.
Snare & Triest Co.	New York City.	600	Struct. & Beam.
Snead Arch. I. Wks.	Louisville, Ky.	2,600	Structural.
Snead & Co.Iron Wks.	Jersey City, N. J.	2,400	Structural.
So.Halstead St.I.Wks.	Chicago, Ill.	6,000	"
Southwestern Bridge Co.	Joplin, Mo.	3,500	Ry. Str. & Hwy.
Southwestern Bridge & I. Co.	Enid, Ok.	400	Highway.
Southern Bridge Co.	Brimingham, Ala.	1,200	Highway & Light Struct
Spuck, J., Arch. Wks.	St. Louis, Mo.	2,400	Light struct.
Springfield Bdge. & I.Wks.	Springfield, Ill.	500	Light struct. & Hwy.
Standard Bridge Co.	Red Oak, Iowa.	700	Highway.
Sterling Iron Works.	Springfield, Mo.	2,500	Light struct. & Hwy.
Steel & Wike.	Dauphin, Pa.	1,000	Light structural.
Stevens I.Wks.& Fireproofing Co.	Cleveland, O.	1,000	Structural.

Stewart & Stevens I.Wks.	Philadelphia.	1,000	Light structural.
St. Louis Arch.I.Co.	St. Louis, Mo.	400	" "
Streeter, H. A.	Chicago, Ill.	500	" "
St. Paul Fdy.Co.	St. Paul, Minn.	18,000	Struct. & Rwy.
Stupp Bros.	St. Louis, Mo.	5,000	Light struct. & Hwy.
Sumner Iron Works.	Everett, Wash.	500	Light structural.
Syracuse Bridge Co.	Syracuse, N. Y.	100	Structural.
Terry & Tench Co.	New York City.	1,000	"
Thatcher-Parker A.	Terre Haute, Ind.	800	Highway.
Toepfer, Wm. & Sons.	Milwaukee, Wis.	300	Light struct. & Hwy.
Topeka Bdge.& I.Wks.	Topeka, Kans.	800	Highway.
Toledo-Massilon Bdge.Co.	Massilon, O.	4,000	"
" " "	Toledo, O.	15,000	Ry. Hwy. & Struct.
Tower, J. H.	Providence, R. I.	1,500	Structural.
Union Iron Works.	Spokane, Wash.	100	"
" " "	Los Angeles, Cal.	3,000	"
" " "	Hoboken, N. J.	1,200	Light struct.
Union Iron & Fdy. Co.	St. Louis, Mo.	6,000	Light struct. & Hwy.
Union Fdy. Works.	Chicago, Ill.	2,000	" " "

United Iron Works Co.	Springfield, Mo. Aurora, Mo. Iola, Kan. Pittsburg, Kan.	10,000	Structural.
Uris, HarrisH.I.Wks.	New York City.	500	"
Valley Iron Works.	Williamsport, Pa.	100	Light structural.
Variety Iron Works.	Cleveland, O.	5,000	Light struct & Hwy.
Van Dorn Iron Works.	" "	4,500	Struct. & Hwy.
Vaile & Young.	Baltimore, Md.	2,500	Light structural.
Vierling & McDowell Co.	Chicago, Ill.	6,000	Structural.
Vincennes Bridge Co.	Vincennes, Ind.	1,500	Highway.
Virginia Bridge & Iron Co	Roanoke, Va.	24,000	Ry. Str. & Hwy.
" " "	Burlington, N.C.	6,000	Struct. & Hwy.
Vogenthaler, E. G.	Dubuque, Ia.	900	Light struct. & Hwy.
Vulcan Iron Works.	Seattle, Wash.	600	Structural.
Vulcan Iron & Steel Wks.	Milwaukee, Wis.	500	Light struct. & Orn.
Wagner, Adolph F.	Milwaukee, Wis.	3,000	Light struct.
Wayne Iron Works.	Wayne, Pa.	800	Light struct. & Orn.
W. Va.Bdge.& Cons.Co.	Wheeling, W. Va.	2,500	N.E.Bdge.Co. owners.

Western Iron Works.	Butte, Mon.	300	Light structural.
" " "	San Francisco.	5,000	" "
Westerman Iron Works.	Seattle, Wash.	600	" "
West Coast Wagon Wks.	Tacoma, Wash.	300	Structural.
West Side Fdy. Co.	Troy, N. Y.	500	Beams.
Whalecreek Iron Works.	Brooklyn, N. Y.	500	Light struct. & Beams.
Whitehead & Kales Co.	Detroit, Mich.	4,500	Structural.
Williamette Iron & St.Co.	Portland, Ore.	500	Light structural.
Wisconsin Bridge & Iron Co.	Milwaukee, Wis.	15,000	R. R., Str. & Hwy.
Worden Allen Co.	" "	12,000	Light structural.
Wurtz & Son.	Buffalo, N. Y.	1,500	Structural.
Yale Safe & Iron Co.	New Haven, Conn.	300	Light structural.
Yant, N. D. & Co.	Pittsburg, Pa.	3,000	" "
York Bridge Co.	York, Pa.	3,500	Highway & Light struct
York Foundry & Eng.Wks.	York, Neb.	500	Machine castings.

TOTAL ANNUAL CAPACITIES

Competitors in Eastern Division	646,100	tons.
" " Central Division	413,300	"
" " Western Division	428,125	"
	1,487,525	tons.

DEFENDANTS' EXHIBIT NO. 9.

May 24, 1912.

LIST OF COMPETITORS OPERATING SHOPS, May 15, 1909.

NAME	LOCATION	ANNUAL CAPACITY IN TONS	CLASS OF WORK
Aetna Iron Works.	St. Louis, Mo.	3,000	Lt. Struct.& Hwy.
Albree, Chester B. I.Wks.	Allegheny, Pa.	1,200	Lt. Structural.
Alderhurst Iron Co.	New Haven, Conn.	-200	Structural.
Alexandria Iron Works.	Alexandria, Va.	2,000	Lt. Structural.
Anaconda Copper Mining Co. Fdry. Dept.	Anaconda, Mont.	200	Lt. Structural.
Anderson Bdge. & Scraper Co.	Anderson, Ind.	100	Highway.
Armourdale Fdry Co.	Armourdale, Kans.	1,500	Structural.
Archbold-Brady Co.	Syracuse, N.Y.	1,500	Structural.
Attica Bridge & Mch.Co.	Attica, Ind.	2,000	Highway.
Atlas Iron Works.	Minneapolis, Minn.	2,000	Castings.
Baker Iron Works.	Los Angeles, Calif.	4,000	Structural.
Baltimore Bridge Co.	Baltimore, Md.	20,000	Rwy., Struct. & Hwy.
Bancroft, Chas. P.	Philadelphia, Pa.	900	Lt. Structural.
Banner Iron Works.	St. Louis, Mo.	2,400	Struct. & Hwy.

Barber & Ross.	Washington, D. C.	6,000	Lt. Structural.
Bayley, Wm. & Sons Co.	Milwaukee, Wis.	500	Structural.
Becker Iron Works.	New York City.	750	Structural.
Bedell Struct. Steel & Fdry. Co.	New Orleans, La.	2,500	Struct. & Hwy.
Bellefontaine Bridge Co.	Bellefontaine, O.	2,000	Light Str. & Hwy.
Belleville Fdy. Co.	Belleville, Ill.	900	Have no Struct. shop.
Belmont Iron Works.	Philadelphia & Eddystone, Pa.	12,000	Rwy., Struct. & Hwy.
Berlin Cons. Co.	Berlin, Conn.	7,000	Rwy. Struct. & Hwy.
Berkeley Steel Co.	San Francisco, Cal.	1,000	Structural.
Berry Fdry. & Mfg. Co.	St. Joseph, Mo.	800	R. R. Castings & Struc
Bethlehem Fdry. & Mch. Co.	Bethlehem, Pa.	500	Lt. Structural.
Beyer, Charles Co.	New York City.	500	Lt. Structural, Beams.
Biggin, Charles F.	Philadelphia, Pa.	800	Lt. Structural.
Bogert & Carlough.	Paterson, N. J.	1,000	Structural & Hwy.
Bollinger, Andrews Co.	Pittsburg, Pa.	3,000	Lt. Structural.
Bolter, A. & Sons.	Chicago, Ill.	4,000	Lt. Struct. & Hwy.
Boston Bridge Works.	Cambridge, Mass.	24,000	Ry. Struct. & Hwy.
Bridgeport Boiler Works.	Bridgeport, Conn.	100	Structural.
Brode & Clark.	San Francisco, Cal.	500	Structural.
Brooks, T. H. & Co.	Cleveland, O.	7,500	Structural.
Bros Boiler & Mfg. Co.	Minneapolis. Minn.	2,500	Lt. Struct. & Hwy.

Brown Ketchum Ir. Wks.	Indianapolis.	15,000	Structural.
" " " "	Greensburgh, Pa.	6,000	Structural.
Browne, F. O.	Denver, Colo.	1,000	Structural.
Buffalo Struct.St.Co.	Buffalo, N.Y.	6,000	Struct. & Hwy.
Burger Iron Co.	Akron, O.	500	Structural.
Caldwell & Drake.	Columbus, Ind.	1,500	Struct. & Hwy.
Cambria Steel Co.	Johnstown, Pa.	25,000	R. R., Struct. & Hwy.
Canton Bridge Co.	Canton, O.	4,500	Highway.
Capital Iron Works.	Topeka, Kans.	1,500	Lt. Struct.
Central Iron Works.	San Francisco.	800	Structural.
" " "	Quincy, Ill.	1,000	Lt. Structural.
Central States Bridge Co.	Indianapolis, Ind.	4,000	R. R., Struct. & Hwy.
Champion Bridge Co.	Wilmington, O.	1,500	Highway.
Champion Iron Co.	Kenton, O.	2,000	Lt. Structural.
Chelmsford Fdry. Co.	Cambridge, Mass.	5,000	Struct. & Castings.
Chesapeake Iron Works.	Baltimore, Md.	6,000	Lt. Structural.
Chicago Bridge & I.Co.	Chicago, Ill.	15,000	R. R., Struct. & Hwy.
Christopher & Simpson.	St. Louis, Mo.	3,000	Structural.
Clapp, Geo. B.	Philadelphia, Pa.	800	Lt. Structural.
Clarke & Stowe.	Brooklyn, N. Y.	5,000	Structural.
Clinton Bridge & I.Wks.	Clinton, Ia.	5,000	Hwy. & Structural.
Clyde Iron Works.	Duluth, Minn.	5,000	Lt. Struct. & Orn.

Cody, J. J.	Brooklyn, N. Y.	500	Lt. Struct. & Beams.
Colnick Mfg.Co.	Milwaukee, Wisc.	500	Light struct.
Converse Bridge Co.	Chattanooga, Tenn.	4,000	Highway & Struct.
Converse, H. P. & Co.	Boston, Mass.	1,000	" "
Cooper, John Co.	New York City.	2,400	Structural.
Cornell, J.B. & J.M.	New York City & Cold Springs, N.Y.	30,000	Structural.
Cowing, J.P. & Co.	Cleveland, O.	3,000	Struct. & Hwy.
Crown Iron Works.	Minneapolis, Minn.	4,000	Lt. Struct. & Orn.
Cruse, Kemper & Co.	Ambler, Pa.	800	" " "
Dauchy Iron Works.	Chicago, Ill.	500	Structural.
Dauphin Bridge & Cons.Co.	Dauphin, Pa.	3,000	Lt. Struct. & Hwy.
Davenport Fdry.& Mch.Co.	Davenport, Ia.	500	" " "
Davies, John T. & Co.	Philadelphia, Pa.	3,000	Structural.
Dearborn Fdry. Co.	Chicago, Ill.	5,000	Lt. Struct. & Hwy.
Decatur Bridge Co.	Decatur, Ill.	2,000	" " "
Decou, Richmond.	Philadelphia, Pa.	1,000	Lt.Struct. & Bm.Wk.
DesMoines Bridge & Iron Wks.	Des Moines, Ia.	15,000	Struct. Hwy. & R. R.
Dietrich Bros.	Baltimore, Md.	15,000	Struct. & Castings.
Dildine Bridge & Cons.Co.	Cameron, Mo.	1,500	Struct. & Hwy.
Dimond, Thomas N.	New York City.	2,400	Structural.

Donovan Wire & Iron Co.	Toledo, O.	2,000	Structural.
Duffin Iron Works.	Chicago, Ill.	1,000	Lt. Structural.
Dugro, Philip & Son.	Brooklyn, N. Y.	500	Structural.
Dyer Bros.	San Francisco.	10,000	Structural.
Eagle Iron Works.	Brooklyn, N.Y.	500	Lt. Structural.
Ernst, C. F.	Buffalo, N. Y.	3,000	Structural.
Eastern Steel Co.	Pottsville, Pa.	10,000	Ry. Hwy. Struct.
Eastern Bridge & Str.Co.	Worcester, Mass.	6,000	Struct. & Hwy.
East Chic. Bridge & Ir. Wks.	Chicago, Ill.	3,600	" " "
Easton Fdry. & Mch.Co.	Easton, Pa.	1,200	Lt. Struct.
Eau Claire Cornice & Heat Co.	Eau Claire, Ia.	500	" "
Eichleay, John Jr.& Co.	Pittsburg, Pa.	6,000	Structural.
Elkhart Bridge Co.	Elkhart, Ind.	1,000	Highway.
El Paso Fdry.& Mch.Co.	El Paso, Texas.	200	Structural.
Elwell, H.F.	Springfield, Mass.	150	Lt. Structural.
Enterprise Iron Works.	Albert Lea, Minn.	50	" "
Fagan Iron Works.	Hoboken, N.J.	4,800	Structural.
Fair-Williams Bridge & Mfg. Co.	Ottumwa, Ia.	900	Highway.
Felgenhauer's E. Sons.	Brooklyn, N. Y.	500	Lt. Struct.
Fletcher & Crowell.	Portland, Maine.	1,800	Structural.

Fulegal, Anton & Co.	Brooklyn, N. Y.	1,000	Lt. Structural.
Forest City St.& Ir.Co.	Cleveland, O.	6,000	Struct. & Hwy.
Fort Pitt Bridge Co.	Pittsburg, Pa.	18,000	Struct.Hwy.& Rwy.
Friberg, James.	Brooklyn, N.Y.	100	Lt. Struct.
Funk, M. Boiler Wks.	La Crosse, Wis.	1,000	" "
Garry Iron & Steel Co.	Cleveland, O.	2,000	Structural.
Gerst Bros.Mfg.Co.	St. Louis, Mo.	800	Lt. Struct.
Goeller Iron Works.	Newark, N. J.	500	Lt. Struct. & Hwy.
Grainger Iron Works.	Louisville, Ky.	6,000	Rwy. Hwy.& Struct.
Groton Bridge Co.	Groton, N. Y.	2,500	Rwy.Lt.Str; & Hwy.
Guerber Eng. Co.	Bethlehem, Pa.	3,500	Struct. & Hwy.
Hackendahl & Schmidt.	Milwaukee.	1,000	Lt. Struct.
Hackworthy Cons.Co.	Appleton, Wisc.	2,000	Lt. Struct. & Hwy.
Hafers, Chris.I.Wks.	New York City.	500	Lt. Structural.
Halsted, Jos.	Chicago, Ill.	500	" "
Hammel Iron Works.	Jersey City, N. J.	500	Structural.
Hansel Elcock Co.	Chicago, Ill.	8,000	Struct. & Hwy.
Happel, Adam.	New York City.	1,000	Lt. Structural.
Hartis Machine Co.	Minneapolis, Minn.	3,500	" "
Harrower, E. C.	Buffalo, N. Y.	1,500	Beam Punching only.
Hassel Iron Works.	Colo. Springs, Colo.	250	Lt. Structural.

Hathorn Fdry.& Mch. Co.	Mason City, Ia.	1,200	Lt. Structural.
Hay Foundry & Iron Works.	Newark, N. J.	20,000	Struct. & Castings.
Hecla Iron Works.	Brooklyn, N. Y.	1,000	Structural.
Hedden Iron Cons.Co.	Newark, N. J.	200	Lt. Struct.
Hennepin Bridge Co.	Minneapolis, Minn.	50	Lt. Str. & Hwy.
Herzog Iron Works.	St. Paul, Minn.	1,000	Lt. Struct.
Hetherington & Borner.	Indianapolis.	3,000	Structural.
Heyl & Patterson.	Pittsburg, Pa.	3,000	Lt. Struct.
Hinkle Iron Co.	New York City.	6,000	" "
Hitner Henry A. & Sons.	Philadelphia, Pa.	1,000	Lt. Str. & Bms.
Hobell, H.M. & Co.	New York City.	200	Lt. Struct.
Hoff, Herman.	Brooklyn, N. Y.	500	Lt. Str. & Bms.
Hofius Steel Equip.Co.	Seattle, Wash.	600	Lt. Str. & Hwy.
Holmes, Pyott & Co.	Chicago, Ill.	3,000	" " "
Horn, Wm.Struct.I.Wks.	" "	1,000	" " "
Howell,H.M. & Co.	New York City.	200	Lt. Struct.
Houston Str.St.Co.	Houston, Texas.	1,000	" "
Hub City Iron Works.	Aberdeen, N. D.	1,000	Struct. & Casting.
Hudson Str.St.Co.	New York City.	1,200	Structural.
Illinois Bridge Co.	Sullivan, Ill.	1,500	Highway.
Illinois Steel Bridge Co.	Jacksonville, Ill.	2,500	Lt. Str. & Hwy.
Independent Bridge Co.	Pittsburg, Pa.	3,000	Lt. Struct.

Indiana Bridge Co.	Muncie, Ind.	5,000	R. R. Str. & Hwy.
Indianapolis Bridge & Ir. Wks.	Indianapolis.	2,500	Lt. Str. & Hwy.
Interstate Eng. Co.	Cleveland, O.	5,000	" " "
Iron City Mfg. Co.	Pueblo, Colo.	200	Highway.
Irving Iron Works.	Long Island City, N.Y	2,000	Structural.
Jardine, John R.	Fargo, N. D.	100	Struct. Lt. & Hwy.
Jeffrey, Daniel.	Jennerette, La.	400	Lt. Struct.
Joliet Bridge & I.Co.	Joliet, Ill.	3,600	Lt. Str. & Hwy.
Jones & Laughlin St.Co.	Pittsburg, Pa.	50,000	R. R. Str. & Hwy.
Jones, Benj. F.	New York, N. Y.	200	Lt. Struct.
Judson Iron Works.	San Francisco.	5,000	Structural.
Just, Geo. A.	Brooklyn, N. Y.	600	"
Kansas City Str.St.Co.	Argentine, Kans.	5,000	"
Kansas City Wire & I.Wks.	Rozedale, Kans.	2,500	"
Kaw Boiler Works.	Kansas City, Mo.	300	"
Kent, W. D.Iron Wks.	Chicago, Ill.	600	Lt. Struct.
Kenwood Bridge Co.	" "	6,000	R. R. Struct. & Hwy.
Keystone Str.St.Co.	Royersford, Pa.	5,000	" " "
King Bridge Co.	Cleveland, O.	20,000	" " "
King,Geo.E.Bridge Co.	Des Moines, Ia.	2,500	Highway.

Kratzer, W.H. & Co.	Pittsburg, Pa.	5,000	Str. & Hwy.
Kreatz, F. E.	St. Cloud, Minn.	50	Lt. Struct.
Kunert Mfg. Co.	Watertown, Wis.	3,000	Lt. Str. & Hwy.
Lackawanna Steel Co.	Buffalo, N. Y.	20,000	Beam Work.
LaCrosse Steel Roofing & Corrugating Co.	LaCrosse, Wisc.	600	Str. Rw. Hwy.
Lauer & Harper.	Baltimore, Md.	10,000	" " "
Lawrence Iron Works.	Lawrence, Kans.	600	Architectural.
Leavenworth Bridge Co.	Leavenworth, Kans.	300	Highway.
Lenox Iron Works.	New York City.	500	Beam & Lt. Str.
Levering & Garrigues.	New York City.	18,000	Structural.
Lewinson & Co.	"	500	Beam Work.
Lewis, Jas.C.& Company.	Detroit, Mich.	1,000	Lt. Struct.
Llewellyn Iron Works.	Los Angeles, Calif.	10,000	Structural.
Liberty Iron Works.	New York City.	500	Lt. Str. & Bms.
Louisville Bridge & I.Co.	Louisville, Ky.	8,000	Railway.
Lukens Iron & Steel Co.	New Orleans, La.	2,000	Lt. Struct.
Lyon W. Iron Works.	New York City.	500	Bm. & Lt. Str.
Marshall, Wallace.	Lafayette, Ind.	1,200	Str. & Hwy.
Massillon Br.& Str.Co.	Massillon, O.	4,000	R. R. Str. & Hwy.
McCarthy, A. D. & Co.	Philadelphia, Pa.	400	Lt. Struct.

McClintic-Marshall Cons. Co.	Pittsburg, Pa.	60,000	R. R. Str. & Hwy.
" " "	Pottstown, Pa.	36,000	" " "
" " "	Carnegie, Pa.	12,000	" " "
McCullough, A. F.& Co.	Philadelphia, Pa.	100	R. R. Str. & Hwy.
McDougall-Potter Co.	New York City.	1,000	Bms. & Lt. Str.
McGil, James H.	Washington, D. C.	100	Structural.
McKinney, Jas. & Son.	Albany, N. Y.	500	Struct. & Orn.
McMurray,Robt.N.& Son.	Brooklyn, N. Y.	2,500	Lt. Struct.
Megquier & Jones Co.	Portland, Maine.	4,800	Struct.
Melan Arch.Cons.Co.	New York City.	600	Lt. Struct.
Merritt & Co.	Philadelphia, Pa.	800	Lt. Str. & Orn.
Mesker & Bro.	St. Louis, Mo.	600	Lt. Str. & Hwy.
Milliken Bros.	New York City.	36,000	R. R. Str. & Hwy.
Milwaukee Bridge Co.	Milwaukee, Wisc.	10,000	" " "
Minneapolis St.& Mch.Co.	Minneapolis, Minn.	25,000	" " "
Missouri Bridge Co.	E.St.Louis,Ill.	1,000	Hwy. & Lt. Str.
Missouri Bridge & I.Co.	Leavenworth, Kans.	3,000	R. R. Str. & Hwy.
Modern Str.Steel Co.	Waukesha, Wisc.	10,000	" " "
Moore Bros. Fdry.	Wichita, Kans.	600	Str. & Castings.
Montana Iron Works.	Butte, Mont.	250	Structural.
Morava Cons.Co.	Chicago, Ill.	6,000	R. R. Str. & Hwy.
Moresi Fdry. & Mch. Co.	Jeanerette, La.	400	Lt. Struct.

Mortensen Cons.Co.	San Francisco.	600	Structural.
Mosher Mfg. Co.	Dallas, Tex.	2,700	Lt. Struct.
Mt.Vernon Bridge Co.	Mt. Vernon, O.	7,500	" "
Myer Brothers.	Mankato, Minn.	100	Lt. Str. & Hwy.
National Bridge Works.	L.I. City, N. Y.	5,000	Structural.
National Iron Works.	Duluth, Minn.	2,500	Lt. Str. & Hwy.
" " "	St. Louis, Mo.	1,200	Lt. Structural.
" " "	Spokane, Wash.	300	" "
National Iron & Wire Co.	Cleveland, O.	2,500	Structural.
New England Str.Co.	Boston & Everett	24,000	Ry. & Struct.
New Jersey Bridge Co.	Manasquan, N. J.	7,200	Rwy. & Struct.
New Prague Fdry. Co.	New Prague, Minn.	1,100	" "
New York Bridge & Iron Co	New York City.	300	Lt. Str. & Hwy.
Noelke-Richards Iron Co.	Indianapolis.	3,000	Lt. Struct.
North Penn Iron Co.	Philadelphia, Pa.	600	" "
Northern Boiler & Cons. Co.	Appleton, Wisc.	500	Lt. Str. & Hwy.
Northwestern Bridge Wks.	Portland, Oreg.	500	" " "
Northwestern Fdry.Co.	Minneapolis, Minn.	6,000	Struct. & Hwy.
Norton, Alfred E. Co.	Boonton, N. J.	3,000	Structural.

Oklahoma City Fdry. & Mach. Shop.	Oklahoma City.	200	Castings.
Omaha Str. St. Wks.	Omaha, Nebr.	300	Lt. Highway.
Oregonia Bridge Co.	Oregonia, O.	1,000	Highway.
Ottumwa Bridge Co.	Ottumwa, Ia.	3,500	Str. & Hwy.
Owego Bridge Co.	Owego, N. Y.	3,500	Ry. Lt. Str. & Hwy.
Pacific Iron Works.	Portland, Oreg.	1,200	Lt. Struct.
Pacific Rolling Mills.Co.	San Francisco.	9,000	Structural.
Pan-American Bridge Co.	New Castle, Ind.	2,500	Highway.
Passaic Steel Co.	Paterson, N. J.	18,000	R. R. Str. & Hwy.
Paxton & Vierling Ir.Wks.	Omaha, Nebr.	8,000	Str. & Castings.
Pearson, S.P. & Co.	New York City.	1,200	Bms. & Lt. Str.
Penn Bridge Co.	Beaver Falls, Pa.	6,000	Rwy. Str. & Hwy.
Pennsylvania Steel Co.	Steelton, Pa.	90,000	" " "
Phoenix Bridge Co.	Phoenixville, Pa.		
Phoenix Iron Co.	" "	40,000	" " "
Pietsch, Ford Str.I.Wks.	Chicago, Ill.	1,000	Structural.
Pirkl, John I.Wks.	Brooklyn, N. Y.	6,000	"
Pittsburg Bridge & Ir.Wks	Rochester, Pa.	3,000	"
Pittsburg Steel Cons.Co.	Economy, Pa.	4,000	"
Poppke & Son.	Brooklyn, N. Y.	500	Lt. Structural.
Portage Iron Works.	Portage, Wisc.	100	" "

Potthoff, W.& Co.	Cincinnati, O.	4,000	Structural.
Presteem, Peter.	Nero, Wisc.	100	Lt. Structural.
Prince Iron Works.	New York City.	1,000	" "
Providence Steel & Ir.Wks	Providence, R. I.	1,500	Str. & Castings.
Provo Fdry. & Mch.Co.	Provo, Utah.	100	Lt. Structural.
Pueblo Fdry. & Mch.Co.	Pueblo, Colo.	200	Structural.
Puget Sound Dry-dock & Mch. Co.	Tacoma, Wash.	100	Lt. Structural.
Quackenbusch, John M.	Webster City, Ia.	75	Lt. Struct. Hwy.
Radley, J. J. & Co.	New York City.	1,500	Structural.
Ralston Ir. Wks.	San Francisco.	5,000	"
Rapp Iron Works.	New York City.	500	Beam & Lt. Wk.
Rarig Eng. Co.	Columbus, Ohio	500	Lt. Struct.
Ravitch Bros.	New York City.	2,000	Structural.
Remppis, Wm.F. Co.	Reading, Pa.	1,000	Lt. Str. & Orn.
Republic Iron & Wire Co.	Cleveland, O.	2,500	Lt. Structural.
Reynolds, E. & P. Co.	New York City.	500	Structural.
Riter-Conley Mfg.Co.	Pittsburg, Pa.	15,000	R. R. & Struct.
Riverside Bridge Co.	Wheeling, W. Va.	7,000	R. R. Struct.& Hwy.
Riverside Iron Works.	Kansas City, Mo.	3,500	Castings.
Rochester Bridge & Con.Co	Montour Falls, N.Y.	2,400	Lt. Str. & Hwy.

Rochester Bridge Co.	Rochester, Ind.	800	Lt. Str. & Hwy.
Rodgers Iron Co.	Springfield, O.	500	Structural.
Ross, German & Co.	New York City.	500	Bm. & Lt. Struct.
Russel Wheel & Fdry.Co.	Detroit, Mich.	8,000	Beams.
Ryerson, Jos.T.& Son.	Chicago, Ill.	20,000	Structural.
Salt Lake Eng.Wks.	Salt Lake City.	300	Lt. Str. & Hwy.
Sandblom,Gustave Arch. I. Wks.	Brooklyn, N. Y.	1,000	Structural.
Scaar, Frank& Co.	Chicago, Ill.	1,000	Lt. Struct.
Scaife, WM.H.& Sons Co.	Pittsburg, Pa.	6,000	" "
Scherbner, Paul I.Wks.	New York City.	500	Structural.
Schrader Ir. Wks.	San Francisco.	600	"
Schreiber,L.& Sons Co.	Cincinnati, O.	6,000	Struct. & Hwy
Schurk Iron Works.	St. Louis, Mo.	700	Lt. Struct.
Scully St. & I.Co.	Chicago, Ill.	2,000	Structural.
Seaton,Jno.Fdry.& Mfg.Co.	Atchison, Kans.	7,000	Castings.
Seavers Mfg.Co.	Oskaloosa, Ia.	600	Lt. Structural.
Seneca Eng.Co.	Montour Falls,N.Y.	1,000	Struct. & Hwy.
Sherwin, E. C. & Sons.	Brandon, Wis.	100	Lt. Str. & Hwy.
Shorthill, A. E.	Marshalltown, Ia.	5,000	Lt. Structural.
Shoemaker, Lewis & Co.	Pottstown, Pa.	10,000	Rwy.Str. & Hwy.
Silver Bros.I.Wks.	Salt Lake City.	1,000	Structural.

Skobis Bros.	Milwaukee, Wis.	3,600	Lt. Struct.
Smeeth Co.	Chicago, Ill.	5,000	Str. & Hwy.
Smith,G.W.& F.Ir.Co.	Roxbury, Mass.	5,000	Str. & Castings.
Smith & Lovett Co.	Boston, Mass.	1,200	Structural.
Smyser, Royer Co.	York, Pa.	600	Lt. Str. & Orn.
Snare & Triest Co.	New York City.	600	Str. & Beams.
Snead Arch.I.Wks.	Louisville, Ky.	2,600	Structural.
Snead & Co.Ir.Wks.	Jersey City, N. J.	2,400	"
So.Halsted St.Wks.	Chicago, Ill.	6,000	"
Southern Bridge Co.	Birmingham, Ala.	1,200	Hwy. & Lt. Str.
Southwestern Bridge & I. Co.	Enid, Ok.	400	Highway.
Springfield Bridge & I. Wks.	Springfield, Ill.	500	Lt. Str. & Hwy.
Spuck, J.Arch.I.Wks.	St. Louis, Mo.	2,400	Lt. Struct.
Standard Bridge Co.	Red Oak, La.	700	Highway.
Steel & Wike.	Dauphin, Pa.	1,000	Lt. Struct.
Sterling Iron Works.	Springfield,Mo.	2,500	Lt. Str. & Hwy.
Stevens I. Wks. & Fireproofing Co.	Cleveland, O.	1,000	Structural.
Stewart & Stevens I.Wks.	Philadelphia, Pa.	1,000	Lt. Struct.
St. Louis Arch.I.Co.	St. Louis, Mo.	400	" "
Stone City Steel Cons.Co.	Bedford, Ind.	500	Structural.

St. Paul Fdry.Co.	St. Paul, Minn.	18,000	Str. & Hwy.
Streeter, H. A.	Chicago, Ill.	500	Lt. Struct.
Stupp Bros.	St. Louis, Mo.	5,000	Lt. Str. & Hwy.
Sumner Iron Works.	Everett, Wash.	500	Lt. Struct.
Syracuse Bridge Co.	Syracuse, N. Y.	100	Structural.
Terry & Tench Co.	New York City	1,000	Structural.
Toepfer, Wm. & Sons.	Milwaukee, Wis.	300	Lt. Str. Hwy.
Toledo-Massillon Bridge Co.	Toledo, O.	15,000	Ry. Hwy. & Str.
Topeka Bridge & Ir. Wks.	Topeka, Kans.	400	" " "
Tower, J. H. & Co.	Providence, R.I.	1,500	Structural.
Union Iron Works.	Spokane, Wash.	100	Structural.
" " "	Los Angeles, Calif.	3,000	"
" " "	Hoboken, N. J.	1,200	Lt. Struct.
United Iron Works Co.	Springfield, Mo. Aurora, Mo. Iola, Kans. Pittsburg, Kans. Joplin, Mo. Cherryvale, Kans.	7,000	Structural.
Uris, Harris H. Iron Wks.	New York City.	500	Structural.
Union Iron & Fdry. Co.	St. Louis, Mo.	6,000	Lt. Str. & Hwy.

Union Fdry. Wks.	Chicago, Ill.	2,000	Lt. Str. & Hwy.
Vaile & Young.	Baltimore, Md.	2,500	Lt. Struct.
Valley Iron Works.	Williamsport, Pa.	100	Lt. Struct.
Van Dorn Iron Works.	Cleveland, O.	4,500	Str. & Hwy.
Variety Iron Works.	" "	5,000	Lt. Str. & Hwy.
Vierling & McDowell Co.	Chicago, Ill.	6,000	Structural.
Vincennes Bridge Co.	Vicennes, Ind.	1,500	Highway.
Virginia Bridge & Iron Co	Roanoke, Va.	24,000	Ry. Str. & Hwy.
" " " " "	Burlington, N. C.	6,000	Str. & Hwy.
" " " " "	Atlanta, Ga.	600	" "
Vogenthaler, E. C.	Duquesne, Ia.	900	Lt. Str. & Hwy.
Vulcan Iron & Steel Wks.	Milwaukee, Wisc.	500	Lt. Str. & Orn.
Wagner, Adolph F.	Milwaukee, Wis.	3,000	Lt. Struct.
Wausau Iron Works.	Wausau, Wisc.	1,000	" "
Wayne Iron Works.	Wayne, Pa.	800	Lt. Str. & Orn.
West Coast Wagon Works.	Tacoma, Wash.	300	Structural.
Western Iron & Fdry.Co.	Wichita, Kans.	400	Str. & Castings.
Western Iron Works.	Butte, Mont.	300	Lt. Str.
" " "	San Francisco.	5,000	" "
West Side Fdry. Co.	Troy, N. Y.	500	Beams.
W.Va. Bridge & Cons.Co.	Wheeling, W.Va.	2,500	N.J.Br.Co. Owners.

Whalecreek Iron Works.	Brooklyn, N. Y.	500	Lt. Str. & Bms.
Whitehead & Kales Co.	Detroit, Mich.	4,500	Structural.
Willamette Iron & St.Co.	Portland, Oreg.	500	Lt. Struct.
Wisconsin Bridge & Ir.Co.	Milwaukee, Wis.	15,000	R. R. Str. & Hwy.
Worden-Allen Co.	" "	12,000	Lt. Structural.
Wurtz & Son.	Buffalo, N. Y.	1,500	Structural.
Yale Safe & Iron Co.	New Haven, Conn.	300	Lt. Struct.
York Bridge Co.	York, Pa.	3,500	Hwy. & Lt. Str.
York Fdry. & Eng.Wks.	York, Neb.	500	Machine Castings.

TOTAL ANNUAL CAPACITIES

Competitors in Western Division	404,000	tons.
" in Central Division	450,600	"
" in Eastern Division	621,200	"
	1,475,800	"

DEFENDANTS EXHIBIT NO. 10.

May 24, 1912.

LIST OF COMPETITORS OPERATING SHOPS, May 15th, 1910.

NAME	LOCATION	ANNUAL CAPACITY IN NET TONS	CLASS OF WORK
Ahr, Henry Iron Works.	New York City.	500	Light structural.
Albree, Chester B.	Pittsburg, Pa.	1,200	" "
Alderhurst Iron Co.	New Haven, Conn.	200	Light struct. & Orn.
Alexandria Iron Works.	Alexandria, Va.	2,000	Light structural.
Archbold-Brady Co.	Syracuse, N.Y.	2,400	Struct. & Hwy.
Architectural Wire & Ir. Co.	Wheeling, W. Va.	600	Light structural.
Armourdale Fdry. Co.	Armourdale, Kan.	1,500	Structural.
Attica Bridge & Mch.Co.	Attica, Ind.	1,200	Highway.
Baker Iron Works.	Los Angeles, Cal.	4,000	Structural.
Baltimore Bridge Co.	Baltimore, Md.	20,000	Rwy., Struct. & Hwy.
Bancroft, Chas. P.	Philadelphia, Pa.	700	Light struct. & Orn.
Banner Iron Works.	St. Louis, Mo.	2,400	Struct. & Hwy.
Barber & Ross.	Washington, D. C.	6,000	Light structural.
Bayer, Chas. Co.	N. Y. City.	500	Structural.
Bayley Co., The Wm.	Springfield, O.	500	"

Bayley Struct.I.Co.	Milwaukee, Wis.	1,000	Structural.
Bedell Struct.St.& Fdry. Co.	New Orleans, La.	2,500	Struct. & Hwy.
Bellefontaine Bridge Co.	Bellefontaine, O.	2,000	" "
Belmont Iron Wks.	Philadelphia & Eddystone, Pa.	10,000	Rwy., Struct. & Hwy.
Berkeley Steel Co.	San Francisco, Cal.	1,000	Structural.
Berlin Cons. Co.	Berlin, Conn.	7,000	Lt. Rwy., Struct.& Hwy
Berry Fdry. & Mfg.Co.	St. Joseph, Mo.	800	Rwy. & Struct.
Bethlehem Fdry. & Mach Co.	Bethlehem, Pa.	400	Light structural.
Bethlehem Steel Co.	" "	12,000	Structural.
Biggin, Chas.P.Co.	Philadelphia, Pa.	500	Light struct & Orn.
Bogart & Carlough.	Paterson, N. J.	2,500	Light struct. & Hwy.
Bollinger, Andrews Co.	Pittsburg, Pa.	3,000	Light structural.
Bolter & Sons, A.	Chicago, Ill.	5,000	Light struct. & Hwy.
Boston Bridge Works.	Cambridge, Mass.	10,000	Rwy., Struct. & Hwy.
Bridgeport Boiler Works	Bridgeport, Conn.	100	Light structural.
Brode & Clark.	San Francisco, Cal.	500	Structural.
Brooks, T.H. & Co.	Cleveland, O.	7,500	"
Bros Boiler & Mfg. Co.	Minneapolis, Minn.	2,500	Light struct. & Hwy.
Browne, F.O.	Denver, Colo.	2,000	Structural.
Brown-Ketchum I.Wks.	Indianapolis, Ind.	12,000	"

Brown-Ketchum I. Wks.	Greensburgh, Pa.	12,000	Structural.
Buffalo Struct.St.Co.	Buffalo, N.-Y.	12,000	R. R., Struct. & Hwy.
Burger Iron Co.	Akron, O.	2,000	Structural.
Caldwell & Drake.	Columbus, Ind.	1,500	Structural.
Cambria Steel Co.	Johnstown, Pa.	40,000	"
Canton Bridge Co.	Canton, O.	5,000	Light struct. & Hwy.
Capital Iron Works.	Topeka, Kan.	1,500	Light structural.
Carnegie Steel Co.	Waverly, N. J.	5,000	Structural.
Carolina Eng. Co.	Burlington, N.C.	3,000	Struct. & Hwy.
Central Iron Works.	San Francisco, Cal.	1,000	Structural.
Central Iron Works.	Quincy, Ill.	1,000	Light structural.
Central States Bridge Co.	Indianapolis, Ind.	5,000	R. R., Struct. & Hwy.
Champion Bridge Co.	Wilmington, O.	1,000	Highway.
Champion Iron Co.	Kenton, O.	2,000	Light structural.
Chelmsford Foundry Co.	Cambridge, Mass.	3,000	Light struct. & Orn.
Chesapeake Iron Works.	Baltimore, Md.	6,000	Light structural.
Chicago Bridge & Ir.Co.	Chicago, Ill.	15,000	R. R., Struct. & Hwy.
Chickasaw Iron Works.	Memphis, Tenn.	2,400	Light structural.
Christopher & Simpson.	St. Louis, Mo.	5,000	Structural.
Clarke & Stowe.	N. Y. City.	5,000	Light structural.
Clinton Bridge & Ir.Wks.	Clinton, Ia.	5,000	Struct. & Hwy.
Clopp, Geo. B.	Philadelphia, Pa.	700	Light structural.

Clyde Iron Works.	Duluth, Minn.	7,500	Structural.
Cody, J.J.	Brooklyn, N.Y.	500	Light structural.
Colnick Mfg. Co.	Milwaukee, Wis.	1,000	" "
Columbia Iron Works.	Cincinnati, O.	500	" "
Columbus Struct.St.Co.	Columbus, O.	1,500	Structural.
Continental Bridge Co.	Peotone, Ill.	3,600	Struct. Rwy. & Hwy.
Converse Bridge Co.	Chattanooga, Tenn.	4,000	Struct. & Hwy.
Cornell, J.B. & J.M.	New York City.	30,000	Structural.
Covington Arch. I. Wks.	Covington, Ky.	300	"
Cowing, J.P. & Co.	Cleveland, O.	3,000	Struct. & Hwy.
Crown Iron Works.	Minneapolis, Minn.	4,000	Light Struct. & Orn.
Darbyshire-Harvis Ir. & Mach. Co.	El Paso, Tex.	1,000	Structural.
Dauchy Iron Works.	Chicago, Ill.	500	"
Davies, John J. Co.	Philadelphia, Pa.	1,800	Light structural.
Davenport Fdry.& Mach.Co.	Davenport, Ia.	500	Light struct. & Hwy.
Dearborn Fdry. Co.	Chicago, Ill.	3,000	" " "
Decatur Bridge Co.	Decatur, Ill.	2,400	Struct. Rwy. & Hwy.
DeCou, Richard.	Philadelphia, Pa.	1,200	Light structural.
" "	Des Moines, Ia.	15,000	R. R., Struct. & Hwy.
Dietrich Bros.	Baltimore, Md.	15,000	Structural.

Dildine Bridge & Cons.Co.	Cameron, Mo.	1,500	Struct. & Hwy.
Dimond, Thomas.	New York City.	600	Structural.
Donovan Wire & Iron Co.	Toledo, O.	2,000	"
Dornfeld & Kunert Mfg.Co.	Watertown, Wis.	3,000	Light struct. & Hwy.
Dover Boiler Works.	Dover, N.J.	3,500	Struct. & Hwy.
Duffin Iron Works.	Chicago, Ill.	2,500	Light structural.
Dugro, Philip's Sons.	Brooklyn, N. Y.	500	Struct. & Orn.
Dyer Bros.	San Francisco.	10,000	Structural.
Eagle Iron Works.	Brooklyn, N. Y.	1,500	Light struct. & Orn.
Eastern Bridge & Struct. Co.	Worcester, Mass.	6,000	Struct. & Orn.
Eastern Steel Co.	Pottsville, Pa.	8,000	R. R., Struct. & Hwy.
EauClaire Cornice & Heat. Co.	Eau Claire, Wis.	500	Light structural.
Eichleay, John Jr.& Co.	Pittsburg, Pa.	6,000	" "
Elkhart Bridge Co.	Elkhart, Ind.	1,000	Highway.
El Paso Fdry.& Mach.Co.	El Paso, Tex.	1,000	Structural.
Elwell, H. F.	Springfield, Mass.	150	Light struct. & Orn.
Enterprise Iron Works.	Albert Lea, Minn.	50	Light Structural.
Ernest's C. F., Sons.	Buffalo, N. Y.	10,000	Structural.
Fagan Iron Works.	Hoboken, N. J.	4,500	Light struct. & Hwy.

Fair-Williams Bdge. & Mach. Co.	Ottumwa, Ia.	900	Highway.
Felgenhauer's Sons Co.	Brooklyn, N. Y.	1,000	Struct. & Orn.
Fletcher & Crowell.	Portland, Me.	1,500	Structural.
Fluegel, Anton.	Brooklyn, N. Y.	1,500	Struct. & Orn.
Forest City St. & Iron Co.	Cleveland, O.	6,000	Struct. & Hwy.
Fort Pitt Bridge Co.	Cannonsburg, Pa.	18,000	R. R., Struct. & Hwy.
Fox, Charles H.	New York City.	500	Light struct. & Orn.
Friberg Iron Works.	Brooklyn, N. Y.	200	Structural.
Funk, M. Boiler Works.	LaCrosse, Wis.	1,000	Light structural.
Gerst Bros. Mfg.Co.	St. Louis, Mo.	800	Light structural.
Glencoe Fdry.Co.	Glencoe, Minn.	100	Struct. & Hwy.
Goeller Iron Works.	Newark, N. J.	2,500	Light struct. & Hwy.
Golden Gate Struct. I.Wks	San Francisco.	500	Light structural.
Grainger & Co.	Louisville, Ky.	6,000	Struct. & Hwy.
Griffiths Iron Works.	St. Louis, Mo.	1,800	Structural.
Groton Bridge Co.	Groton, N. Y.	2,500	Highway.
Guerber Eng. Co.	Bethlehem, Pa.	2,500	Structural.
Hackendahl & Schmidt.	Milwaukee, Wis.	1,000	Light structural.

Hackworthy Cons. Co.	Appleton, Wis.	2,000	Light struct. & Hwy.
Hafers, Chris. Iron Co.	New York City.	500	Light struct. & Orn.
Halsted, Jos.	Chicago, Ill.	500	Light structural.
Hamill Iron Works.	Jersey City, N. J.	500	Light struct. & Orn.
Hansel-Elcock Co.	Chicago, Ill.	12,000	Struct. & Hwy.
Happe, Adam.	New York City.	1,000	Struct. & Orn.
Harrower, H.C.Co.	Buffalo, N. Y.	1,500	Structural.
Hartman, Nelson & Zapfe.	Green Bay, Wis.	500	Light struct. & Hwy.
Hassel Iron Works Co.	Colo. Springs, Colo.	300	Light struct. & Orn.
Hathorn Fdry.& Mach.Co.	Mason City, Ia.	1,200	Light structural.
Hay Foundry & Iron Works.	Newark, N. J.	25,000	Structural.
Hedden Iron Cons.Co.	Newark, N. J.	2,200	Struct. & Orn.
Hennepin Bridge Co.	Minneapolis, Minn.	250	Light struct. & Hwy.
Herzog Iron Works.	St. Paul, Minn.	1,000	Light structural.
Hetherington & Berner.	Indianapolis, Ind.	1,500	Structural.
Heyl & Patterson,Inc.	Pittsburg, Pa.	3,000	"
Hinkle Iron Co.	New York City.	6,000	Struct. & Orn.
Hitner, Henry A. Sons.	Philadelphia, Pa.	800	Structural.
Hoff, Herman J.	Brooklyn, N. Y.	400	Light struct. & Orn.
Hofius Steel & Equip.Co.	Seattle, Wash.	600	Light struct. & Hwy.
Holmes, Pyott, & Co.	Chicago, Ill.	3,000	" " "
Horn, Struct.Iron Works.	"	3,000	" " "
Horseheads Cons. Co.	Horseheads, N. Y.	250	" " "

Houston Str. St. Co.	Houston, Tex.	1,000	Light structural.
Hub City Iron Works	Aberdeen, N. D.	1,000	Structural.
Hudson Struct. St. Co.	New York City.	1,200	Struct. & Orn.
Illinois Bridge & I. Co.	Sullivan, Ill.	1,500	Highway.
Illinois Steel Bdge. Co.	Jacksonville, Ill.	2,500	Light struct. & Hwy.
*Illinois Steel Co. North Works.	Chicago, Ill.	16,000	Structural.
Iowa Bridge Co.	Des Moines, Ia.	6,000	Struct. & Hwy.
Independent Bridge Co.	Pittsburg, Pa.	3,000	Light structural.
Indiana Bridge Co.	Muncie, Ind.	5,000	R.R., Struct. & Hwy.
Insley Iron Works.	Indianapolis, Ind.	400	Structural.
Interstate Eng. Co.	Cleveland, O.	5,000	Light struct. & Hwy.
Irving Iron Works	Long Island City.	2,000	Struct. & Orn.
Jackson, G.W., Inc.	Chicago, Ill.	12,000	R.R., Struct. & Hwy.
Jackson-Richter Iron Works.	Denver, Colo.	600	Struct. & Orn.
Jardine, John. R.	Fargo, N.D.	100	Light struct. & Hwy.
Jeffrey, Daniel	Jeanerette, La.	400	Light struct. & Hwy.
Jennet Bdge.& Iron Works.	Chicago, Ill.	600	Rwy., Struct. & Hwy.
Joliet Bridge & Iron Co.	Joliet, Ill.	3,600	Light struct. & Hwy.
Jones & Laughlins Steel Co	Pittsburg, Pa.	50,000	R.R.,Struct. & Hwy.
Judson Mfg. Co.	San Francisco, Cal.	5,000	Structural.

Just, Geo. A. Co.	Long Island city.	1,200	Structural.
Kansas City Bridge Co.	Kansas city, Mo.	300	Highway.
Kansas City Struct.St.Co.	Argentine, Kan.	12,000	Structural.
Kaw Boiler Works.	Kansas City, Mo.	300	"
Kaysing Iron & Fdry.Co.	St. Louis, Mo.	1,800	Light structural.
Kellogg, Geo.Struct.Co.	Buffalo, N. Y.	3,000	Structural.
Kenwood Bridge Co.	Chicago, Ill.	6,000	R. R., Struct. & Hwy.
Keystone Struct. Co.	Philadelphia, Pa.	4,000	Rwy., Struct. & Hwy.
King Bridge Co.	Cleveland, O.	20,000	" " "
King,Geo.E.Bridge Co.	Des Moines, Ia.	2,500	Highway.
Kratzer, W.N. & Co.	Pittsburg, Pa.	6,000	Structural.
Kreatz, F. E.	St. Cloud, Minn.	50	Light structural.
Krenz, F. M.	Stockton, Cal.	500	" "
Lackawanna Bridge Co.	Buffalo, N. Y.	40,000	Structural.
LaCrosse Steel Roofing & Corrugated Co.	La Crosse,Wis.	600	R. R., struct. & Hwy.
LaFayette Eng.Co.	LaFayett , Ind.	1,500	Struct. & Hwy.
Lane Bridge Co.	Painted Post, N.Y.	1,000	" "
Lauer & Harper.	Baltimore, Md.	6,000	R. R., Struct. & Hwy.
Lehigh Valley Struct. St. Co.	Allentown, Pa.	12,000	Struct. R. R. & Hwy.

Lenox Iron Works.	New York City.	1,000	Struct. & Orn.
Levering & Garrigues.	"	18,000	Structural.
Lewinson & Co.	"	1,000	"
Lewis, H. B. & Co.	Detroit, Mich.	1,000	Light structural.
Liberty Iron Works.	New York City.	500	Struct. & Orn.
Llewellyn Iron Works.	Los Angeles, Cal.	10,000	Structural.
Louisville Bdge.& Ir.Co.	Louisville, Ky.	8,000	R. R. & Struct.
Love Brothers.	Aurora, Ill.	600	Structural.
Lowe, Geo. A.	Ogden, Utah.	1,000	"
Lowith Brothers.	Denver, Colo.	300	"
Lucas, A. & Sons.	Peoria, Ill.	3,000	Light structural.
Lukens Iron & St.Co.	New Orleans, La.	2,000	" "
Lyon, Wm. E. Iron Co.	New York City.	1,000	Struct. & Orn.
Marquette & Ormund.	Rochester, Minn.	50	Highway.
Massillon Bridge & Str. St. Co.	Massillon, O.	4,000	R. R., Struct. & Hwy.
McClintic-Marshall Cons. Co.	Carnegie, Pa.	12,000	Struct. & Hwy.
" " "	Pittsburg, Pa.	84,000	R. R., Struct. & Hwy.
" " "	Pottstown, Pa.	30,000	" " "
McDougall & Potter.	New York City.	1,000	Structural.
McKinney, Jas. Sons.	Albany, N. Y.	500	Struct. & Orn.

McMurray & Bro. R. T.	Brooklyn, N. Y.	2,500	Struct. & Orn.
Mechanics Iron Works.	St. Louis, Mo.	500	Light structural.
Megquier & Jones.	Portland, Me.	4,000	Structural.
Memphis Bridge Co.	Memphis, Tenn.	6,000	Light struct. & Hwy.
Merritt & Co.	Philadelphia, Pa.	700	Struct. & Orn.
Mesker & Bros.	St. Louis, Mo.	600	Light structural.
Mesker & Co.	Evansville, Ind.	1,000	Structural.
Metropolitan Bridge Co.	Jersey City, N.J.	12,000	"
Meyer Bros.	Mankato, Minn.	100	Light struct. & Hwy.
Midland Bridge Co.	Kansas City, Mo.	300	Highway.
Milliken Bros.	Staten Island, N.Y.	36,000	R. R., Struct. & Hwy.
Milmine, H. B. & Co.	Toledo, O.	500	Structural.
Milwaukee Bridge Co.	Milwaukee, Wis.	10,000	R. R., Struct. & Hwy.
Minneapolis Steel & Mch. Co.	Minneapolis, Minn.	25,000	" " "
Missouri Bridge & I. Co.	East St.Louis, Ill.	1,000	Light struct. & Hwy.
Missouri Valley Bridge & I. Co.	Leavenworth.	1,000	" " "
Modern Struct. St.Co.	Waukesha, Wis.	10,000	R. R., Struct. & Hwy.
Montana Iron Works.	Butte, Mont.	250	Structural.
Montour Steel Co.	Montour Falls, N. Y.	1,200	Light struct. & Hwy.
Moore Bros. Foundry.	Wichita, Kan.	600	Light structural.
Moran Company.	Seattle, Wash.	300	Struct. & Hwy.

Morava Cons.Co.	Chicago, Ill.	15,000	R. R., Struct. & Hwy.
Moresi Fdry.& Mach.Co.	Jeanerette, La.	400	Light structural.
Morris, C. E. & Co.	Columbus, O.	2,500	Structural.
Mortensen Cons.Co.	San Francisco.	1,000	Light structural.
Mosher Mfg.Co.	Dallas, Tex.	2,700	" "
Mound City Iron Works.	St. Louis, Mo.	500	" "
Mt. Vernon Bridge Co.	Mt. Vernon,O.	8,000	R. R., Struct. & Hwy.
National Bridge Works.	New York City.	6,000	Structural.
National Iron Works.	Duluth, Minn.	2,500	Light structural.
" "	Spokane, Wash.	300	" "
National Wire & Iron Co.	Cleveland, O.	4,000	Structural.
New England Bolt & Struct. Co.	Everett, Mass.	1,000	Light struct. & Orn.
New England Struct.Co.	" "	24,000	R. R., Struct. & Hwy.
New Prague Foundry Co.	New Prague, Minn.	300	Struct. & Hwy.
Noelke-Richards I.Wks.	Indianapolis, Ind.	5,000	Structural.
Northern Boiler & Struct. I. Wks.	Appleton, Wis.	500	Light struct. & Hwy.
Northwest Bdge.& Cons.Co.	St. Cloud, Minn.	150	Struct. & Highway.
Northwestern Fdry.Co.	Minneapolis, Minn.	6,000	" "
Northwest Steel Works.	Portland, Ore.	6,000	" "
Norton, Alfred Co.	Boonton, N. J.	5,000	" "

Oklahoma Fdry.& Mach.Shop	Okla.City, Okla.	200	Structural.
Omaha Struct.St. Works.	Omaha, Neb.	300	Highway.
Oregonia Bridge Co.	Oregonia, O.	800	"
Ottumwa Bridge & Iron Co.	Ottumwa, Ia.	3,500	Struct. & Hwy.
Owego Bridge Co.	Owego, N. Y.	5,000	Highway.
Pacific Iron Works.	Portland, Ore.	1,200	Struct. & Hwy.
Pacific Rolling Mill Co.	San Francisco.	8,000	Structural.
Pacific Struct. I. Works.	"	500	Light structural.
Palm, Chas. A.	Sacramento, Cal.	500	" "
Pan-American Bridge Co.	New Castle, Ind.	2,000	Struct. & Hwy.
Passaic Steel Co.	Paterson, N. J.	18,000	R. R., Struct. & Hwy.
Pa xton & Vierling Iron Works.	Omaha, Nebr.	9,000	Structural.
Pearson, S.P. & Co.	New York City.	600	"
Penn Bridge Co.	Beaver Falls, Pa.	12,000	R. R., Struct. & Hwy.
"	Claysville, Pa.	3,000	Struct. & Hwy.
Pennsylvania Steel Co.	Philadelphia, Pa.	85,000	R. R., Struct. & Hwy.
Phoenix Bridge Co.	"	35,000	" " "
Pierson & Goodrich.	New York City.	2,500	Struct. & Orn.
Pirkl Iron Works, J.	Brooklyn, N. Y.	5,000	" "
Pittsburg Bridge & I.Co.	Rochester, Pa.	4,800	Struct. & Hwy.
Pollock, Wm. B.& Co.	Youngstown, O.	1,200	Structural.

Popple & Son.	Brooklyn, N. Y.	500	Struct. & Orn.
Portage Iron Works.	Portage, Wis.	100	Light struct.
Potthoff, W. F. Co.	Cincinnati, O.	3,500	Structural.
Presteem, Peter.	Nero, Wis.	100	Light structural.
Prince Iron Works.	New York City.	800	Structural.
Providence Struct.I.Co.	Providence, R. I.	1,500	Struct. & Orn.
Provo Fdry.& Mach.Co.	Provo, Utah.	500	Light struct.
Quackenbusch, Jno. M.	Webster City, Ia.	75	Light struct. & Hwy.
Queen City Iron & Wire Wks.	Denver, Colo.	300	Structural.
Rapp Iron Works.	N. Y. City.	500	Structural.
Radley Steel Cons.Co.	"	2,000	Struct. & Orn.
Ralston Iron Works.	San Francisco.	5,000	Structural.
Ravitch Bros.	Long Island City.	6,000	"
Red Oak Bridge & Iron Wks.	Red Oak. Ia.	700	Highway.
Remppis, Wm. F. Co.	Reading, Pa.	600	Light struct. & Orn.
Republic Struct.I.Wks.	Cleveland, O.	2,000	Light structural.
Reynolds, E.P.Co.	New York City.	500	Struct. & Orn.
Richmond Pattern & Struct. I. Wks.	Richmond, Va.	3,000	Structural.
Rieseck, Peter.	Pittsburg, Pa.	500	Light struct. & Orn.

Riter-Conley Mfg.Co.	Pittsburg, Pa.	15,000	R. R. & Struct.
Riverside Bridge Co.	Wheeling, W. Va.	8,400	R. R., Struct. & Hwy.
Rochester Bridge Co.	Rochester, Ind.	800	Light struct. & Hway.
Ross & Sisti.	N. Y. City.	500	Light struct. & Orn.
Russell Wheel & Foundry Co.	Detroit, Mich.	8,000	Structural.
Ryerson & Son.	Chicago, Ill.	10,000	"
Sandblom Iron Works.	Brooklyn, N. Y.	2,000	"
Salt Lake Eng.Works.	Salt Lake City.	300	"
Scaar, Frank & Co.	Chicago, Ill.	1,000	Light structural.
Scaife, Wm.B.& Sons Co.	Pittsburg, Pa.	6,000	" "
Scherbner, Paul, Jr.	New York City.	1,000	Structural.
Schreiber, L. & Sons Co.	Cincinnati, O.	5,000	"
Schneider & Sons.	Washington, D. C.	6,000	"
Schrader Iron Works.	San Francisco, Cal.	1,000	Light structural.
Schurk Iron Works.	St. Louis, Mo.	700	" "
Seavers Mfg. Co.	Oskaloosa, Ia.	600	" "
Sherwin & Sons, E. C.	Brendon, Wis.	100	Light struct. & Hwy.
Shoemaker, Lewis & Co.	Philadelphia, Pa.	8,000	" " "
Shorhill, A. E.	Marshalltown, Ia.	5,000	Light structural.
Silver Bros.Iron Works.	Salt Lake City, Utah.	2,500	Structural.
Silver, H.A.Fdry. & Mach. Co.	" " "	500	"

Skobis Bros.	Milwaukee, Wis.	3,600	Light structural.
Smith Iron Co., G.W.& E.	Roxbury, Mass.	5,000	Struct. & Orn.
Smyser-Royer Co.	Philadelphia, Pa.	500	Light struct. & Orn.
Snare & Triest.	Jersey City, N. J.	2,800	Structural.
Snead Arch.Iron Works.	Louisville, Ky.	2,500	"
Southern Bridge Co.	Birmingham, Ala.	1,200	Light struct. & Hwy.
So.Halsted St.I.Wks.	Springfield, Ill.	12,000	Structural.
Springfield Bridge & I. Wks.	Springfield, Ill.	500	Light struct. & Hwy.
Spuck Iron & Fdry. Co.	St. Louis, Mo.	4,000	Structural.
Steel & Wike.	Philadelphia, Pa.	800	Light structural.
Sterling Iron Works.	Springfield, Mo.	2,500	Light struct. & Hwy.
Stevens Iron Works & Fireproofing Co.	Cleveland, O.	500	Structural.
St. Louis Arch.I.Works.	St. Louis, Mo.	2,400	"
Stone City Steel Cons.Co.	Bedford, Ind.	500	"
St. Paul Foundry Co.	St. Paul, Minn.	18,000	Struct. & Hwy.
Stewart & Stevens I.Wks.	Philadelphia, Pa.	600	Light structural.
Stupp Iron Works.	St. Louis, Mo.	5,000	Struct. & Hwy.
Sumner Iron Works.	Everett, Wash.	500	" "
Syracuse Bridge Co.	Syracuse, N. Y.	300	Structural.
Taylor & Dean.	Pittsburg, Pa.	500	Light structural.

Terry & Tench Co.	New York City.	1,000	Structural.
Thomas-Fordyce Mfg.Co.	Little Rock, Ark.	2,400	"
Tippet & Wood.	Phillipsburg, N.J.	1,000	Light struct. & Hwy.
Toepfer, Wm. & Sons.	Milwaukee, Wis.	500	" " "
Toledo-Massillon Bdge.Co.	Toledo, O.	15,000	R. R., Struct. & Hwy.
Topeka Bridge & Ir.Works.	Topeka, Kan.	400	Highway & Struct.
Tower, Jas. H.	Providence, R. I.	2,000	Light struct. & Orn.
Union Iron Works.	Los Angeles, Cal.	3,000	Structural.
Union Iron Works.	Spokane, Wash.	600	"
Union Iron Works Co.	Cincinnati, O.	2,500	"
Union Iron & Foundry Co.	St. Louis, Mo.	5,000	"
Union Foundry Co.	Chicago, Ill.	4,000	Light struct. & Hwy.
United Iron Works Co.	Springfield, Mo.		
	Aurora, Mo.		
	Iola, Kan.	7,000	Structural.
	Pittsburg, Kan.		
	Joplin, Mo.		
	Cherryvale, Kan.		
Uris, Harris H.Iron Wks.	N. Y. City.	1,500	Struct. & Orn.
Valley Iron Works.	Williamsport, Pa.	100	Structural.

Van Dorn Iron Works Co.	Cleveland, O.	7,500	Struct. & Hwy.
Variety Iron Works.	"	5,000	Light struct. & Hwy.
Victor Iron Works.	St. Louis, Mo.	800	Light structural.
Vierling & McDowell Co.	Chicago, Ill.	6,000	Structural.
Vilsack-Martin Co.	Pittsburg, Pa.	500	Light struct. & Orn.
Vincennes Bridge Co.	Vincennes, Ind.	3,500	Struct. & Hwy.
Virginia Bridge & Ir.Co.	Atlanta, Ga.	2,400	" "
" " "	Memphis, Tenn.	6 000	Rwy. Struct. & Hwy.
" " "	Roanoke, Va.	30,000	Structural.
Vogenthaler, E. C.	Dybuque, Ia.	900	Light struct. & Hwy.
Vulcan Iron Works.	Seattle, Wash.	500	Light structural.
" " "	Milwaukee, Wis.	1,500	Light struct. & Orn.
Wagner, Adolph F.	Milwaukee, Wis.	3,000	Light struct.
Wausau Iron Works.	Wausau, Wis.	1,000	" "
Wayne Iron Works.	Philadelphia, Pa.	100	Structural.
West Coast Wagon Works.	Tacoma, Wash.	300	"
Western Iron & Fdry.Co.	Wichita, Kan.	400	"
Western Iron Works.	San Francisco.	3,000	Light structural.
Western Iron Works.	Butte, Mont.	500	" "
West Side Struct.Co.	Troy, N. Y.	500	Structural.
West va. Bridge & Cons.Co	Wheeling, W. va.	2,500	N.J.Bdge.Co. Owners.
Whale Creek Iron Works.	Brooklyn, N. Y.	500	Structural.

Whitehead & Kales Co.	Detroit, Mich.	4,500	Structural.
Willamette Iron & St.Co.	Portland, Ore.	500	Light structural.
Winamac Bridge Co.	Winamac, Ind.	800	Structural.
Wisconsin Bridge & I.Co.	Milwaukee, Wis.	15,000	R. R., Struct. & Hwy.
Worden-Allen Co.	" "	15,000	Light structural.
Wurtz & Son.	Buffalo, N. Y.	1,500	Structural.
Yale Safe & Iron Co.	New Haven, Conn.	300	Light struct. & Orn.
York Bridge Co.	York, Pa.	3,000	" " & Hwy.
Youngstown Wire & Iron Co.	Youngstown, O.	1,000	" " " Orn.

TOTAL ANNUAL CAPACITIES.

Competitors in Eastern Division		598,250 net tons.
" " Central "		574,150 " "
" " Western "		506,675 " "
		1,679,075 " "
*Eliminating Carnegie Steel Co.	5,000	
" Illinois Steel Co.No.Wks.	16,000	21,000
		1,658,075

DEFENDANTS' EXHIBIT NO. 11.

May 24, 1912.

APPENDIX "A"

COMPETITORS OPERATING SHOPS.

American Bridge Company of New York, May 15th, 1911.

NAME	LOCATION	ANNUAL CAPACITY IN NET TONS	CLASS OF WORK
Ahrens Iron Wks.Co.	Cincinnati, O.	2,500	Struct & Orn.
Ahr,Henry,Iron Wks.	New York City.	500	Light structural.
Albree, Chester B.	Pittsburgh, Pa.	1,200	" "
Alderhurst Iron Co.	New Haven, Conn.	500	" " & Orn.
Alexandria Iron Works.	Alexandria, Va.	2,000	" "
Alexander Iron Works.	Washington, D. C.	5,000	Structural.
Archbold Brady Co.	Syracuse, N. Y.	2,400	Struct. & Highway.
Architectural Wire & Ir. Co.	Wheeling, W. Va.	600	Light structural.
Armourdale Fdry.Co.	Armourdale, Kansas.	1,500	Structural.
Attica Bridge & Mch.Co.	Attica, Ind.	1,200	Highway.
Baker Iron Wks.	Los Angeles, Calif.	4,000	Structural.
Baltimore Bridge Co.	Baltimore, Md.	20,000	Rwy. Str. Hwy.

Bancroft, Chas.P.	Philadelphia, Pa.	700	Light Struct. & Orn.
Banner Iron Works.	St. Louis, Mo.	2,400	Struct. & Hwy.
Barber & Ross.	Washington, D. C.	6,000	Light struct.
Bayer, Chas. Co.	New York city.	500	Structural.
Bayley Co. The Wm.	Springfield, O.	500	"
Bayley Struct.Ir.Co.	Milwaukee, Wis.	1,000	"
Bellefontaine Bdge. Co.	Bellefontaine, O.	2,000	"
Belmont Iron Works.	Phila.& Eddystone,	10,000	Rwy. Struct. Hwy.
Berkeley Steel Co.	San Francisco, Cal.	1,000	Structural.
Berlin Const.Co.	Berlin, Conn.	7,000	Lt.Ry.Str. & Hwy.
Berry Fdry. & Mfg.Co.	St. Joseph, Mo.	800	Rwy. & Struct.
Bethlehem Fdry.& Mch.Co.	Bethlehem, Pa.	400	Light struct.
Bethlehem Steel Co.	Bethlehem, Pa.	12,000	Structural.
Bicketh, J.	Brooklyn, N. Y.	400	Light Struct. & Orn.
Biggin, Chas. P. Co.	Phila. Pa.	500	Light Struct. & Orn.
Bogart & Carlough.	Paterson, N. J.	2,500	Light Struct. & Hwy.
Bollinger-Andrews Co.	Pittsburg, Pa.	6,000	Structural.
Bolter & Sons, A.	Chicago, Ill.	5,000	Lt. Struct. & Hwy.
Boston Bridge Works.	Cambridge, Mass.	10,000	Rwy. Struct. Hwy.
Bridgeport Boiler Wks.	Bridgeport, Conn.	100	Light Struct.
Brode & Clark.	San Francisco, Calif.	500	Structural.
Brooke, T. H. & Co.	Cleveland, O.	7,500	"
Bros Boiler & Mfg.Co.	Minneapolis, Minn.	2,500	Lt. Struct. & Hwy.

Browne, F. O.	Denver, Colo.	2,000	Structural.
Brown-Ketchum Ir.Wks.	Indianapolis, Ind.	12,000	" & Orn.
" "	Greensburg, Pa.	19,000	"
Buffalo Struct.St.Co.	Buffalo, N. Y.	10,000	R. R., Struct. & Hwy.
Burger Iron Co.	Akron, O.	4,000	Structural.
Caldwell & Drake.	Columbus, Ind.	1,500	"
Cambria Steel Co.	Johnstown, Pa.	20,000	" & Hwy.
Canton Bridge Co.	Canton, O.	6,000	Lt. Struct. & Hwy.
Capitol Iron Works.	Topeka, Kansas.	1,500	Light Struct.
*Carnegie Steel Co.	Waverly, N. J.	5,000	Structural.
Carolina Eng.Co.	Burlington, N. C.	3,000	Struct. & Hwy.
Central Iron Works.	San Francisco,Cal.	1,000	Structural.
Central Iron Works.	Quincy, Ill.	1,000	Light Struct.
Cen tral States Bridge Co.	Indianapolis, Ind.	5,000	R. R. Struct. & Hwy.
Champion Bridge Co.	Wilmington, O.	1,000	Highway.
Champion Iron Co.	Kenton, O.	3,000	Light struct.
Chelmsford Fdry. Co.	Cambridge, Mass.	3,000	Light Struct. & Orn.
Chesapeake Iron Wks.	Baltimore, Md.	6,000	Light Struct.
Chicago Bridge & Ir.Co.	Chicago, Ill.	15,000	R. R. Struct. & Hwy.
Chicasaw Iron Works.	Memphis, Tenn.	2,400	Light Struct.
Christopher & Simpson.	St. Louis, Mo.	5,000	Structural.

Clarke & Stowe.	New York City.	5,000	Lt. Struct.
Clinton Br.& Ir.Wks.	Clinton, Ia.	5,000	Struct. & Hwy.
Clopp, Geo. B.	Philadelphia, Pa.	700	Lt. Struct.
Clyde Iron Wks.	Duluth, Minn.	7,500	Structural.
Colnick Mfg.Co.	Milwaukee, Wis.	1,000	Light Struct.
Columbia Iron Works.	Cincinnati, O.	500	" "
Columbia Struct.St.Co.	Columbus, O.	1,500	Structural.
Continental Bridge Co.	Pectone, Ill.	3,600	Struct. & Hwy.
Converse Bridge Co.	Chattanooga,Tenn.	4,000	" " "
Cornell,J.B. & J.M.	New York City.	30,000	Str.Closed in Recvrs. Hnds.
Covington Arch.Ir.Wks.	Covington, Ky.	300	Struct.
Crown Iron Works.	Minneapolis,Minn.	6,000	Lt. Struct. & Orn.
Darbyshire-Harvis I. & Mch. Wks.	El Paso, Texas.	1,000	Structural.
Dauchy Iron Works.	Chicago, Ill.	500	Light Struct.
Davies, John J. Co.	Philadelphia,Pa.	1,800	" "
Davenport Fdry.& Mch.Co.	Davenport, Ia.	500	" " & Hwy.
Dearborn Fdry. Co.	Chicago, Ill.	3,000	" " " "
Decatur Bridge Co.	Decatur, Ill.	8,000	" Rwy. & Hwy.
DeCou, Richard.	Phila., Pa.	1,200	" Struct.
Des Moines Bridge & I.Co.	Des Moines, Ia.	15,000	R. R. Str. & Hwy.

Des Moines Bridge & I.Co.	Pittsburg, Pa.	3,000	Structural.
Detroit Bridge & St.Wks.	Detroit, Mch.	12,000	Rwy.Struct. & Hwy.
Dietrich Bros.	Baltimore, Md.	15,000	" "
Dildine Bridge & Cons.Co.	Cameron, Maine.	1,500	Struct. & Rwy.
Dimond, Thos.	New York City.	600	Structural.
Donovan Wire & Iron Co.	Toledo, Ohio.	2,000	"
Dornfeld & Kunert Mfg.Co.	Watertown, Wis.	3,000	Light Struct. & Hwy.
Dover Boiler Wks.	Dover, N. J.	3,500	Struct. & Hwy.
Duffin Iron Works.	Chicago, Ill.	1,200	Structural.
Dyer Brothers.	San Francisco.	10,000	"
Dugro, Philip.	Brooklyn, N. Y.	500	Struct. & Orn.
Eagle Iron Works.	Brooklyn, N. Y.	1,500	Light Struct. & Orn.
Eastern Bridge & Str.Co.	Worcester, Mass.	6,000	Struct. & Orn.
Eastern Steel Co.	Pottsville, Pa.	8,000	R. R. Struct. & Hwy.
Eau Claire Cornice & Heat Co.	Eau Claire, Wis.	500	Light Struct.
Eichleay, John Jr.& Co.	Pittsburg, Pa.	10,000	" " & Hwy.
Elkhart Bridge Co.	Elkhart, Ind.	2,500	Highway.
El Paso Fdry. & Mch.Co.	El Paso, Tex.	1,000	Structural.
Elwell, H. F.	Springfield, Mass.	150	Lt. Struct. & Orn.
Enterprise Iron Wks.	Albert Lea, Minn.	50	" "
Ernst's C. F. Sons.	Buffalo, N. Y.	4,000	Structural.

Fagan Iron Works.	Hoboken, N. J.	4,500	Light Struct. & Hwy.
Fair-Williams Br. & Mch. Co.	Ottumna, Ia.	900	Highway.
Felgenhauer's Sons Co.	Brooklyn, N. Y.	1,000	Struct. & Orn.
Fletcher & Crowell.	Portland, Me.	1,500	Structural.
Fluegel, Anton.	Brooklyn, N. Y.	1,500	Struct. & Orn.
Forest City Steel & I.Co.	Cleveland, O.	6,000	Struct. & Hwy.
Fort Pitt Bridge Co.	Cannonsburg, Pa.	24,000	R. R. Struct. & Hwy.
Fox, Charles H.	N. Y. City.	500	Light Struct. & Orn.
Friberg Iron Works.	Brooklyn, N. Y.	200	Structural.
Funk, M. Boiler, Works.	La Crosse, Wis.	1,000	Light Structural.
Gage Struct.Steel Wks.	Chicago, Ill.	4,000	Struct. & Orn.
Garden City Iron Works.	" "	600	Structural.
Gerst Brothers Mfg.Co.	St. Louis, Mo.	800	Light Structural.
Glencoe Fdry. Co.	Glencoe, Minn.	100	Struct. & Hwy.
Goeller Iron Works.	Newark, N. J.	2,500	Light Struct. & Hwy.
Golden Gate Struct.Ir. Wks.	San Francisco, Calif.	500	" "
Golden Klein Ir.Wks.	New York City.	500	" "
Grainger & Co.	Louisville, Ky.	6,000	Struct. & Hwy.
Griffiths Iron Wks.	St. Louis, Mo.	1,800	Structural.
Groton Bridge Co.	Groton, N. Y.	2,500	Highway.

Guerber Eng.Co.	Bethlehem, Pa.	2,500	Structural.
Hackendahl & Schmidt.	Milwaukee, Wis.	2,000	Light Struct.
Hackworthy Cons.Co.	Appleton, Wis.	2,000	" " & Hwy.
Hafers, Chris,Iron Co.	N. Y. City.	500	" " & Orn.
Halsted, Jos.	Chicago, Ill.	500	" "
Hammill Iron Wks.	Jersey City, N. J.	500	" "
Hansel-Elcock Co.	Chicago, Ill.	15,000	Structural.
Happel, Adam.	New York City.	1,000	Struct. & Orn.
Harrower, H.C. Co.	Buffalo, N. Y.	600	Structural.
Hartman, Nelson & Zapfe.	Green Bay, Wis.	300	Light Struct.
Hassel Iron Works Co.	Colo. Springs,Colo.	300	Light Struct. & Orn.
Hathorn Fdry. & Mch.Co.	Mason City. Ia.	1,200	Light Struct.
Hay Foundry & Ir. Wks.	Newark, N. J.	40,000	Structural.
Hedden Iron Cons.Co.	" "	2,200	Struct. & Orn.
Hennepin Bridge Co.	Minneapolis,Minn.	250	Light Struct. & Hwy.
Herzog Iron Wks.	St. Paul, Minn.	1,000	Light Structural.
Hetherington & Berner.	Indianapolis,Ind.	1,500	Struct. & Orn.
Heyl & Patterson,Inc.	Pittsburg, Pa.	3,000	" "
Hinkle Iron Co.	N. Y. City.	12,000	" "
Hitner, Henry A. Sons.	Phila., Pa.	800	Structural.
Hofius Steel Equip.Co.	Seattle, Wash.	600	Light Struct. & Hwy.
Holmes, Pyott & Co.	Chicago, Ill.	4,000	" " "

Horn Struct. Ir. Wks.	Chicago, Ill.	3,000	Structural.
Horseheads Cons.Co.	Horseheads, N. Y.	250	Light Struct. & Orn.
Houston Str.St.Co.	Houston, Texas.	4,000	" "
Hub City Iron Wks.	Aberdeen, N. D.	500	Structural.
Hudson Str.St.Co.	N. Y. City.	1,200	Struct. & Orn.
Illinois Bridge & I.Co.	Sullivan, Ill.	1,500	Highway.
Illinois Steel Br.Co.	Jacksonville, Ill.	2,500	Light Struct. & Hwy.
* Illinois Steel Co:N.Wks.	Chicago, Ill.	36,000	Structural.
Independent Bridge Co.	Pittsburg, Pa.	6,000	Struct. & Hwy.
Indiana Bridge Co.	Muncie, Ind.	5,000	R. R. Struct. & Hwy.
Irving Iron Wks.	Long Island City.	2,000	Struct. & Orn.
Jackson, G.W.Inc.	Chicago, Ill.	20,000	R. R. Struct. & Hwy.
Jackson-Richter Ir.Wks.	Denver Colo.	600	Struct. & Orn.
Jardine, John R.	Farho, N.D.	100	Light Struct. & Hwy.
Jeffrey, Daniel.	Jeanerette, La.	400	" " "
Jennet Bridge & Ir.Wks.	Chicago, Ill.	600	Struct. & Hwy.
Joliet Bridge & Iron Co.	Joliet, Ill.	6,000	" "
Jones & Laughlin St.Co.	Pittsburg, Pa.	30,000	R. R.Struct. & Hwy.
Judson Mfg.Co.	San Francisco, Cal.	5,000	Structural.
Just, Geo. A.	Long Island City.	1,200	"

Kansas City Bridge Co.	Kansas City, Mo.	300	Highway.
Kansas City Stru.St.Co.	Argentine, Kans.	12,000	Structural.
Kaw Boiler Works.	Kansas City, Mo.	300	"
Kaysing Iron & Fdry.Co.	St. Louis, Mo.	1,800	Light Struct.
Kellogg, Geo.Struct.Co.	Buffalo, N. Y.	500	Structural.
Kemper Cons.Co.	Phila., Pa.	600	Light Struct. & Hwy.
Kenwood Bridge Co.	Chicago, Ill.	6,000	R. R. Struct. & Hwy.
Keystone Struct.Co.	Phila., Pa.	4,000	" " "
King Bridge Co.	Cleveland, Ohio.	20,000	" " "
Kratzer, W. H. & Co.	Pittsburg, Pa.	6,000	Struct. & Hwy.
King, Geo.E. Bridge Co.	Des Moines, Ia.	2,500	Highway.
Kreatz, F. E.	St. Cloud, Minn.	50	Light Struct.
Krentz, F. M.	Stockton, Cal.	500	" "
Lackawanna Bridge Co.	Buffalo, N. Y.	48,000	Struct. Rwy. & Hwy.
La Crosse Steel Roofing & Corrugated Co.	La Crosse, Wis.	600	" " "
Lane Bridge Co.	Painted Post, N. Y.	1,000	" & Hwy.
Lankenheimer, Geo.E.	Chicago, Ill.	400	Structural.
Lauer & Harper.	Baltimore, Md.	6,000	R. R. Struct. & Hwy.
Lehigh Valley Struct.St.	Allentown, Pa.	12,000	" " "
Lenox Iron Works.	New York City.	1,000	Struct. & Orn.
Levering & Garrigues.	"	25,000	Structural.

Lewinson & Co.	New York city.	1,000	Structural.
Lewis, H. B. & Co.	Detroit, Mich.	2,000	Light Struct.
Liberty Iron Works.	New York City.	500	Struct. & Orn.
Llewllyn Iron Works.	Los Angeles, Calif.	10,000	" " "
Louisville Bridge & Ir. Co.	Louisville, Ky.	8,000	R. R. & Struct.
Louisiana Bridge Co.	New Orleans, La.	3,600	Struct. & Orn.
Love Brothers.	Aurora, Ill.	1,200	Light Struct.
Lowe, Geo. A.	Ogden, Utah.	1,000	Structural.
Lowith Brothers.	Denver, Colo.	300	"
Lucas, A. & Sons.	Peoria, Ill.	3,000	Light Struct.
Lukens Ir.& St. Co.	New Orleans, La.	2,000	" "
Lyon, Wm. E. Iron Co.	N. Y. City.	1,000	Struct. & Orn.
La Fayette Eng. Co.	La Fayette, Ind.	1,500	Structural.
Mahoney Mfg.Co.	Troy, N. Y.	300	Structural.
Marquette & Ormund.	Rochester, Minn.	50	Highway.
Massillon Bridge & Str. Co.	Massillon, Ohio.	6,000	R. R. Struct. & Hwy.
McClintic-Marshall Cons. Co.	Carnegie, Pa.	12,000	Struct. & Hwy.
" " "	Pittsburg, Pa.	84,000	R. R. Struct. & Hwy.
" " "	Pottstown, Pa.	30,000	" " "

McDougall & Potter.	N. Y. City.	1,000	Structural.
McGill, Jas. H.	Washington, D. C.	100	Light Struct. & Hwy.
McKinney, Jas. Sons.	Albany, N. Y.	500	Struct. & Orn.
McMyler Interstate Co.	Bedford, O.	5,000	Structural.
McMurray & Bro.	Brooklyn, N. Y.	2,500	"
Mechanics Iron Works.	St. Louis, Mo.	500	Light Struct.
Megquier & Jones.	Portland, Maine.	4,000	Structural.
Memphis Bridge Co.	Memphis, Tenn.	6,000	Light Struct. & Hwy.
Merritt & Co.	Phila. Pa.	700	Struct. & Orn.
Mesker & Bros.	St. Louis, Mo.	600	Light Struct.
Metropolitan Bridge Co.	Jersey City, N. J.	12,000	Structural.
Meyer Bros.	Mankato, Minn.	100	Light Struct. & Hwy.
Midland Bridge Co.	Kansas City, Mo.	300	Highway.
Milliken Bros.	Staten Island, N.Y.	36,000	R. R. Struct. & Hwy.
Milmine H. B. & Co.	Toledo, O.	1,000	Structural.
Milwaukee Bridge Co.	Milwaukee, Wis.	10,000	R. R. Struct. & Hwy.
Minneapolis St.& Mch.Co.	Minneapolis, Minn.	25,000	" " "
Missouri Bridge & Ir.Co.	St. Louis, Mo.	1,000	Light Struct. & Hwy.
Missouri Valley Bdge.& Ir. Co.	Leavenworth, Kans.	1,000	" " "
Modern Struct.St.Co.	Waukesha, Wis.	10,000	R. R. Struct. & Hwy.
Montana Iron Wks.	Butte, Mont.	250	Structural.
Montour Steel Company.	Montour Falls, N. Y.	1,200	Light Struct. & Hwy.

Moore Bros. Fdry.	Wichita, Kans.	600	Light Struct.
Moran Company.	Seattle, Wash.	300	Struct. & Hwy.
Mesker & Co.	Evansville, Ind.	1,000	Structural.
Morava Constr.Co.	Chicago, Ill.	24,000	Structural.
Moresi Fdry & Mch.Co.	Jeanerette, La.	400	Light Struct.
Morris, C.E. & Co.	Columbus, Ohio.	1,000	Structural.
Mortensen Cons.Co.	San Francisco,Cal.	1,000	Light Struct.
Mosher Mfg. Co.	Dallas, Tex.	2,000	" "
Mound City Iron Works.	St. Louis, Mo.	500	" "
Mt. Vernon Bridge Co.	Mt. vernon, Ohio.	10,000	R. R. Struct. & Hwy.
Muth, Chris.	Chicago, Ill.	400	Light Structural.
National Bridge Wks.	Long Island City	6,000	Structural.
National Iron Works.	Duluth, Minn.	6,000	Light Struct.
" " "	Spokane, Wash.	300	" "
National Wire & Ir.Co.	Cleveland, Ohio.	4,000	Structural.
New Eng. Bolt & Steel Co.	Everett, Mass.	1,000	Light Struct.
New England Struct.Co.	" "	24,000	R. R. Struct. & Hwy.
New Prague Fdry.Co.	New Prague, Minn.	300	Struct. & Hwy.
Noelke-Richards Ir.Wks.	Indianapolis, Ind.	10,000	Structural.
Northern Bridge & Struct. Wks.	Appleton, Wis.	500	Light Struct. & Hwy.

Northwest Bridge & Cons. Co.	St. Cloud, Minn.	150	Struct. & Hwy.
Northwestern Fdry. Co.	Minneapolis, Minn.	3,000	" "
Northwest Steel Wks.	Portland, Oreg.	6,000	" "
Norton, Alfred Co.	Boonton, N. J.	5,000	" "
Northfield Iron Wks.	Northfield, Minn.	25	Light Str. "
Oklahoma Fdry.& Mch.Shop.	Oklahoma City, Okla.	200	Structural.
Omaha Struct.St.Wks.	Omaha, Nebr.	3,000	Highway & Struct.
Oregonia Bridge Co.	Oregonia, O.	800	" "
Ottumna Bridge & Ir.Co.	Ottumna, Ia.	3,500	Struct. Hwy. & Rwy.
Owego Bridge Co.	Owego, N. Y.	5,000	Highway.
Pacific Coast Str.I.Wks.	San Francisco, Cal.	500	Light Struct.
Pacific Iron Works.	Portland, Oreg.	1,200	Struct. & Hwy.
Pacific Rolling Mill Co.	San Francisco, Cal.	8,000	Structural.
Palm, Chas. A.	San Francisco, Cal.	500	"
Pan-American Bridge Co.	New Castle, Ind.	2,000	Struct. & Hwy.
Passaic Steel Co.	Paterson, N.J.	18,000	R. R. Struct. & Hwy.
Paxton & Vierling Ir.Wks.	Omaha, Nebr.	9,000	Structural.
Pearson, S. P. & Co.	N. Y. City.	600	"
Penn Bridge Co.	Beaver Falls, Pa.	10,000	Struct. Rwy. & Hwy.
" "	Claysville, Pa.	5,000	" & Hwy.

Penna. Steel Co.	Steelton, Pa.	85,000	R. R. Struct. & Hwy.
Phila. Steel & Wire Co.	Camden, N. J.	2,400	Structural.
Phoenix Bridge Co.	Phoenixville, Pa.	35,000	"
Pierson & Goodrich.	N. Y. City.	2,500	Struct. & Orn.
Pilsen Fdry. & Ir.Wks.	Chicago, Ill.	1,000	Light Struct.
Pirkl Iron Works, J.	Brooklyn, N. Y.	5,000	Structural.
Pittsburg Bridge & Ir.Co.	Rochester, Pa.	5,000	Struct. & Hwy.
Pollock, Wm. B. & Co.	Youngstown, Ohio.	1,000	Structural.
Poppke & Son.	Brooklyn, N. Y.	500	Struct. & Orn.
Portage Iron Works.	Portage, Wis.	100	Light Struct.
Potthoff, W. F. Co.	Cincinnati, Ohio.	3,500	Struct. & Orn.
Presteem Peter.	Nero, Wis.	100	Light Struct.
Prince Iron Works.	New York City.	800	Structural.
Providence Str.Ir.Co.	Providence, R.I.	1,500	Struct. & Orn.
Provo Fdry. & Mch. Co.	Provo, Utah.	500	Light Struct.
Quackenbusch, Jno. M.	Webster City, Ia.	75	Light Struct. & Hwy.
Queen City Iron & Wire Wks.	Denver, Colo.	300	Structural.
Radley Steel Cons.Co.	New York City.	2,000	Struct. & Orn.
Ralston Iron Works.	San Francisco.	5,000	Structural.
Rapp Iron Works.	New York City.	500	"

Ravitch Brothers.	Long Island City.	6,000	Structural.
Red Oak Bridge & Ir.Wks.	Red Oak, Ia.	700	Highway.
Remppis, Wm.F.Co.	Reading, Pa.	600	Light Struct. & Orn.
Republic Struct.Ir.Wks.	Cleveland, O.	2,000	" "
Reynolds, E.P. Co.	N. Y. City.	500	Struct. & Orn.
Richmond Pattern & Str. Ir.Wks.	Richmond, Va.	3,000	Structural.
Rieseck, Peter.	Pittsburg, Pa.	500	
Riter-Conley Mfg.Co.	" "	10,000	R. R. & Struct.
Riverside Bridge Co.	Wheeling, W. Va.	12,000	" " & Hwy.
Rochester Bridge Co.	Rochester, Ind.	2,000	" " "
Rogers Bros.	Albion, Pa.	3,000	Light Struct. & Hwy.
Ross & Sisti.	New York City.	500	" " & Orn.
Russel Wheel & Fdry.Co.	Detroit, Mich.	8,000	Structural.
Ryerson & Son.	Chicago, Ill.	12,000	Structural, R.R& Hwy.
Salt Lake Eng.Wks.	Salt Lake City.	300	Structural.
Sandblom Iron Works.	Brooklyn, N. Y.	2,000	"
Scaar & Sullivan.	Chicago, Ill.	1,000	Light Structural.
Scaife, Wm.B. & Sons.	Pittsburg, Pa.	10,000	" "
Schaefer Mfg.Co.	Birmingham, Ala.	2,400	Struct. & Hwy.
Scherbner, Paul Jr.	New York City.	1,000	Structural.

Schreiber, L.& Sons Co.	Cincinnati, Ohio.	5,000	Struct. & Orn.
Schneider & Sons.	Washington, D. C.	6,000	Structural.
Schrader Iron Wks.	San Francisco, Calif.	1,000	Light Structural.
Schurk Iron Wks.	St. Louis, Mo.	700	" "
Schuylkill Bridge Wks.	Pottstown, Pa.	9,500	Struct. & Rwy.
Seaton, Jno. Fdry. & Mfg. Co.	Atchison, Kan.	7,000	Railroad.
Seavers Mfg. Co.	Oskaloosa, Ia.	600	"
Sherwin & Sons, E.C.	Brandon, Wis.	200	Light Struct. & Hwy.
Shoemaker, Lewis & Co.	Philadelphia, Pa.	8,000	" " "
Shorthill, A. E.	Marshalltown, Ia.	5,000	Struct. & Highway.
Silver Bros. Ir. Wks.	Salt Lake City.	2,500	Structural.
Silver, H.A. & Mch. Co.	" " "	500	"
Skobia Brothers.	Milwaukee, Wis.	3,600	"
Smith Iron Co. G.W.& E.	Roxbury, Mass.	5,000	Struct. & Orn.
Smyser-Royer Co.	Philadelphia, Pa.	500	Light Struct. & Orn.
Snare & Triest.	Jersey City, N.J.	2,800	Structural.
Snead Arch. Ir. Wks.	Louisville, Ky.	2,500	Struct. & Orn.
Southern Bridge Co.	Birmingham, Ala.	1,200	Light Struct. & Hwy.
Southern Ohio Ir. Wks.	Cincinnati, O.	300	Structural & Orn.
So. Halsted St. Ir. Wks.	Chicago, Ill.	12,000	Structural.
Springfield Bridge & Ir. Wks.	Springfield, Ill.	1,200	Light Struct. & Hwy.
Spuck Iron & Fdry. Co.	St. Louis, Mo.	4,000	Structural.

Steel & Wike.	Philadelphia, Pa.	800	Light Structural.
Sterling Iron Wks.	Springfield, Mo.	2,500	" " & Hwy.
Stevens Ir. Wks. & Fire-Proofing Co.	Cleveland, O.	500	" "
St.Louis Arch.Ir.Wks.	St. Louis, Mo.	2,400	Structural.
Stewart & Stevens Ir.Wks.	Philadelhia, Pa.	600	Light Structural.
Stone City Steel Cons.Co.	Bedford, Ind.	500	" "
St. Paul Fdry.Co.	St. Paul, Minn.	18,000	Struct. & Hwy.
Strnad,N.J.& Son.	Chicago, Ill.	500	Light Struct.
Stupp Iron Works.	St. Louis, Mo.	5,000	Struct. & Hwy.
Sumner Iron Works.	Everett, Wash.	500	" "
Syracuse Bridge Co.	Syracuse, N.Y.	300	Structural.
Taylor & Dean.	Pittsburg, Pa.	500	Light Struct. & Orn.
Terry & Tench Co.	New York City.	1,000	Structural.
Thomas-Fordyce Mfg.Co.	Little Rock,Ark.	2,400	"
Tippet & Wood.	Philipsburg, N.J.	1,000	Light Struct. & Hwy.
Toepfer, Wm.& Sons.	Milwaukee, Wis.	600	" " "
Toledo Bridge & Crane Co.	Toledo, Ohio.	15,000	R. R. Struct. & Hwy.
Topeka Bridge & Ir. Wks.	Topeka, Kans.	400	Highway & Struct.
Tower , Jas. H.	Providence, R. I.	2,000	Light Struct. & Orn.
Toledo Wire & Iron Co.	Toledo, O.	800	" " "

Union Iron Works.	Los Angeles, Cal.	3,000	Structural.
" "	Spokane, Wash.	600	"
Union Iron & Fdry.Co.	St. Louis, Mo.	5,000	"
Union Fdry.Co.	Chicago, Ill.	3,000	"
United Iron Wks. Co.	Springfield, Mo. Pittsburg, Kans. Aurora, Mo. Iola, Kans. Joplin, Mo. Cherryvale, Kans.	7,000	"
Uris, Harris H.Iron Wks.	New York City.	1,500	Struct. & Orn.
Valley Iron Works.	Williamsport, Pa.	100	Structural.
Vanderstucken-Ewing Cons.Co.	Bethlehem, Pa.	2,700	Light Struct. & Orn.
Van Dorn Iron Wks.Co.	Cleveland, O.	7,500	Struct. & Hwy.
Variety Iron Wks.	"	5,000	Light Struct. & Hwy.
Victor Iron Works.	St. Louis, Mo.	800	Light Structural.
Vierling Steel Works.	Chicago, Ill.	6,000	Structural.
Vilsack-Martin Co.	Pittsburg, Pa.	500	Light Struct. & Orn.
Vincennes Bridge Co.	Vincennes, Ind.	5,000	Struct. & Hwy.
Virginia Bridge & Ir.Wks.	Atlanta, Ga.	2,400	" " "
" " "	Memphis, Tenn.	6,000	Rwy. Struct. & Hwy.

Virginia Bridge & Ir.Wks.	Roanoke, Va.	30,000	Structural.
Vogenthaler, E.C.	Dubuque, Ia.	900	Light Struct.
Vulcan Iron Works.	Seattle, Wash.	500	Light Struct.
" "	Milwaukee, Wis.	1,500	Light Struct. & Orn.
Wagner, Adolph F.	Milwaukee, Wis.	2,000	Light Struct.
Walsh's Boiler & Ir.Wks.	Holyoke, Mass.	1,500	" "
Wausau Iron Wks.	Wausau, Wis.	1,000	" "
Wayne Iron Works.	Philadelphia, Pa.	100	Structural.
West Coast Wagon Works.	Tacoma, Wash.	300	"
Western Iron & Fdry.Co.	Wichita, Kans.	400	"
Western Iron Works.	San Francisco.	3,000	Light Structural.
Western Iron Works.	Butte, Mont.	500	" "
West Side Struct.Co.	Troy, N. Y.	500	Structural.
W.Va.Bridge & Cons.Co.	Wheeling, W. Va.	2,500	N.J.Bridge Co.Owners
Whale Creek Iron Wks.	Brooklyn, N.Y.	500	Structural. (Rcvrs
Whitehead & Kales Co.	Detroit, Mich.	4,500	"
Willamette Ir. & St.Co.	Portland, Oreg.	500	Light Struct.
Winamac Bridge Co.	Winamac, Ind.	800	Struct. & Hwy.
Wisconsin Bridge & Ir.Co.	Milwaukee, Wis.	15,000	R. R. Struct. & Hwy.
Worden Allen Co.	" "	15,000	" " "
Wurtz & Son.	Buffalo, N.Y.	2,500	Structural.

York Bridge Co.	York, Pa.	3,000	Light Struct. & Hwy.
Youngstown Wire & Ir.Co.	Youngstown, Ohio.	2,400	Light Struct. & Orn.

About 374 total competitors of A. B. Co.

S U M M A R Y

Total Annual Capacities

Competitors in Eastern Division	669,300	net tons.
" " Central "	580,300	" "
" " Western "	575,800	
	1,825,400	" "
Less	41,000	
	1,784,400	

*Should be deducted from this summary.

A. B. Co. approximately 750,000 tons or about 30%.

DEFENDANT'S EXHIBIT NO. 12.
June 10, 1902.

(Page 1682 of Stanley Hearings.)

THORNE ON THE TRUST CO. — THINKS DEPOSITORS SHOULD BE TAKEN INTO CONFIDENCE OF THE BANKERS — TELLS HOW RUN WAS STARTED — WAS WARNED MONTHS AGO THAT THERE WAS DANGER OF PERIOD OF FINANCIAL STRESS — SET ABOUT TO PUT HIS HOUSE IN ORDER — PAID OUT OVER $34,000,000.

New York, November 6.

Oakleigh Thorne, president of the Trust Co. of America, made the following statement today:

"I think the time has now come to take the depositors, the stockholders, and the public into our confidence. I have felt all along that I was a trustee primarily of the depositors, and next for the stockholders, and all of my actions have been guided by the desire to honestly meet the duties of this trusteeship. Months ago I was warned, as, indeed, we all were, that there was a danger of a period of financial stress coming upon us, and we set about putting our house in order. We promptly reduced our loans and increased our cash means to a point where we had a reserve largely in excess of the legal requirement when the crisis came. Indeed, we had so much money on hand that wise and conservative bankers advised me to put some of our money and demand loans into time loans.

"When the storm broke, to my utter amazement, its chief force was directed against the Trust Co. of America. It is idle now to discuss the reason why. The fact remains that public attention was riveted upon this institution by newspaper publication, and the run developed into a persistent and

steadfast demand. This run is unprecedented in the history of banking. In a few days our receipts were in excess of our payments, but altogether we have paid out since it began over $34,000,000. Throughout the whole period of stress I have courted the closest examination into our affairs, and last Saturday night, for instance, the banking interests who had been so helpful in the emergency, appointed a committee of experts to go through our assets. These experts had no interest in the matter whatever. They found, after working all night Saturday and half the day Sunday, that we had enough, even at the present low market prices, to pay every dollar of our deposits, to leave our capital intact, and a substantial surplus.

"I think in the end it will be profitable for the Trust Co. of America that this fierce light should have beat upon it and should have disclosed the character of its securities. There have been all sorts of wild rumors afloat, but it is now definitely known that no officer or director of the bank has been improperly using the funds for his own purposes; no officer has had a loan here in excess of legal limits, and the president of that institution had no loans whatever. Neither has any company with which the president was associated had any loans.

"It has been suggested that during some days we were unnecessarily slow in payment of depositors. In answer, it should have been found upon examination of the checks presented that 25 to 30 per cent. of them were not good.

"I should be untrue to myself if I did not make acknowledgement of the help we have received at our fellow bankers' hands in New York. There has been a great deal of misapprehension on the part of the public concerning this matter. No officer or director had been asked to resign, and there has been no absorption of this company by any

other. A number of gentlemen of very high character and undoubted responsibility have entered into an agreement by which a majority of our stock is to be deposited with them as voting trustees, and they are to act as an advisory committee in cooperation with our board of directors."

DEFENDANT'S EXHIBIT No. 13.
June 10, 1912.

(The Evening Post, New York, Tuesday, October 22, 1907. Extra; with last edition).

TRUST CO. CLOSES

Knickerbocker Suspends

Temporarily.

Action Follows Serious Runs.

Lack of Cash is the Cause, According to Officers—Enormous Funds Promised for To-Morrow—Cortelyou Agrees to Make Deposits in Local Banks as Soon as Collateral is Supplied— Stocks Collapse in Wall Street — Run on Trust Company's Main Office Distinguished by Crush of Motor Cars and Carriages— A Criticism of Roosevelt as Destroyer of the Country's Credit System.

* * *

The presidents of the trust companies who first gathered for a conference at the Knickerbocker offices, later went to the office of Oakleigh Thorne president of the Trust Company of America.

DEFENDANT'S EXHIBIT No. 14.
June 10, 1912.

New York Tribune,

New York, Wednesday, October 23,1907.

KNICKERBOCKER TRUST COMPANY SHUT.

MAY NOT OPEN TODAY.

OTHER CONCERNS SLOW IN ADVANCING FUNDS TO TRUST COMPANY.

It was reported last night that more than $4,000,000 of deposits had been withdrawn from the Trust Company of America yesterday. The man who made this statement was one of the members of the conference, which included Secretary Cortelyou, Mr. Morgan, Mr. Hepburn and others, at the Hotel Manhattan.

CORTELYOU TO THE RESCUE.

Confers with Financiers Here About Improving the Situation.

A well known banker who attended the conference at the Hotel Manhattan, at which Secretary Cortelyou was present, said after the meeting in regard to the financial situation. " * * * Attention has been riveted to the Trust Company of America, of which Oakleigh Thorne is President. It is believed by the Clearing House interests and also the Morgan interests that the situation in this trust company is vastly different from that in the Knickerbocker, if the condition of this company is such as those who were represented at the conference have every reason to believe.

"Those who attended the conference can announce authoritatively that the Trust Company

of America is to be cared for and supplied with necessary cash pending an investigation of the accounts of the company by a committee already named at the conference tonight. If the position of the Trust Company of America is such as the bankers have every reason to believe, it will be cared for in every eventuality. It is understood that the chief reason the Knickerbocker company was not assisted to-day by the Clearing House interests and those of Mr. Morgan and his associates was because it was considered that the capital and surplus of that company had been impaired."

DEFENDANTS' EXHIBIT NO. 15.

June 12, 1912.

NAME	Sold Complete	Moved to Going Plants.	Used as Spares.	Scrapped.
Montpelier, Indiana		6		
Atlanta Steel & Tin Plate Company			6	
Baltimore				2
Beaver Tin Plate	7			
Blairsville Rolling Mill and Tin PM				2
Briton Rolling Mill, Cleveland				3
Cannonsburg Iron & Steel Co.	5			
Champion Iron & Steel Co.		6		
Cincinnati Rolling Mill & Tin P Co.		4		
Cumberland Steel & Tin P Co.		5		
Elwood Tin Plate Co.,Elwood City,Pa			6	
Falcon Tin Plate & Sheet Co.		6		
Great Western Tin Plate Co.				4
Hamilton & Co.		2		
Irondale Steel & Iron Co.		6		

N A M E.	Sold Complete	Moved to Going Plants	Used as Spares	Scrapped
Johnstown Tin Plate Company		2		
Marshall Brothers & Co.				6
Anderson Works.		7		
Neshannock Sheet & Tin Plate Co.				6
Ohio River Sheet & Tin Plate Co.		2		
Reeves Iron Company		6		
Star Tin Plate Co.		8		
Wallace Banfield & Co.				4
Washington Sheet & Tin Plate Mills			4	
T O T A L	12	60	16	27

DEFENDANTS' EXHIBIT NO. 16.

December 17, 1912.

Supplement to the Iron and Steel Works Directory, 1900, corrected to February, 1900.

(It was agreed among counsel that the above was not to be printed.)

DEFENDANTS' EXHIBIT NO. 17.

Statistics of the American and Foreign Iron Trades for 1899, presented to the members May 25, 1900.

(It was agreed among counsel that the above exhibit was not to be printed.)

Defendants' Exhibit No. 18
December 17, 1913

LOWEST PRICES OF IRON AND STEEL

There have been four periods of particularly low prices for iron and steel in this country since the close of the civil war, the first occurring after the panic of 1873, the second in 1884 and 1885, the third from 1891 to 1895, and the fourth from 1896 to 1898. The lowest quoted prices for six leading products in each of these periods are given in the following table, per ton of 2,240 pounds, except for bar iron, which is quoted by the 100 pounds. With one exception the lowest prices were in the last period mentioned in the table, from 1896 to 1898.

Articles	1873-9	1884-5	1891-5	1896-8
No. 1 foundry pig iron, at Philadelphia	$16.50	$17.50	$12.00	$11.25
Gray forge pig iron, Lake ore, at Pittsbgh	16.00	14.00	8.90	8.25
Bessemer pig iron, at Pittsburgh	19.50	17.00	9.95	9.25
Old iron T rails, at Philadelphia	18.00	16.50	11.00	11.50
Best bar iron, at Pittsburgh	1.60	1.50	1.10	.95
Steel rails, at mills, in Pennsylvania	40.00	26.00	22.00	16.00

AVERAGE MONTHLY PRICES OF IRON AND STEEL

In the following table we give the average monthly prices of various leading articles of iron and steel in Pennsylvania in 1895, 1896, and 1897, and in the first eight months of 1898. The prices named are per gross ton of 2,240 pounds, except for bar iron, which is quoted by the pound.

Months.	Old iron T rails, at Philadelphia.	No. 1 foundry pig iron, at Philadelphia.	Gray forge pig iron, at Philadelphia.	Gray forge pig iron, Lake ore, at Pittsburgh.	Bessemer pig iron, at Pittsburgh.	Steel rails, at mills, in Pennsylvania.	Steel billets, at mills, at Pittsburgh.	Best refined bar iron, from store, Philadelphia. Base.	Best refined bar iron, at Pittsburgh. Base.
January, 1895	$11.75	$12.08	$10.50	$ 9.17	$10.06	$22.00	$14.79	1.20c.	1.10c.
February	11.75	12.00	10.50	9.09	10.15	22.00	15.01	1.20c.	1.10c.
March	12.00	12.06	10.50	8.99	10.23	22.00	14.94	1.25c.	1.10c.
April	12.00	12.00	10.50	9.27	10.69	22.00	15.42	1.30c.	1.10c.
May	12.25	12.06	10.45	9.81	11.15	22.00	16.25	1.35c.	1.12c.
June	13.75	12.50	11.12	10.55	12.39	22.00	18.85	1.35c.	1.22c.
July	15.30	13.80	12.05	11.45	14.14	24.00	21.06	1.60c.	1.32c.
August	16.12	13.75	12.31	11.97	15.02	24.00	22.05	1.70c.	1.36c.
September	16.50	14.20	12.70	13.37	17.19	28.00	24.35	1.70c.	1.44c.
October	16.20	14.50	12.87	13.12	15.77	28.00	22.19	1.60c.	1.42c.
November	16.50	14.44	12.44	12.65	13.94	28.00	19.90	1.60c.	1.40c.
December	15.00	13.85	11.90	11.85	11.87	28.00	17.00	1.45c.	1.37c.
January, 1896	14.25	13.56	11.55	10.90	11.81	28.00	16.60	1.45c.	1.25c.
February	14.75	13.50	11.50	11.00	12.95	28.00	17.69	1.40c.	1.25c.
March	15.00	13.45	11.30	10.92	12.25	28.00	17.19	1.35c.	1.21c.
April	14.87	13.25	11.19	10.85	13.32	28.00	19.80	1.40c.	1.20c.
May	14.43	12.83	11.00	10.79	12.83	28.00	19.55	1.40c.	1.20c.
June	14.00	12.75	11.00	10.62	12.47	28.00	19.42	1.40c.	1.20c.
July	14.00	12.75	10.90	10.37	12.12	28.00	19.50	1.40c.	1.20c.
August	14.00	12.75	10.75	9.63	10.91	28.00	19.22	1.40c.	1.20c.
September	13.50	12.50	10.75	9.50	11.31	28.00	19.41	1.40c.	1.20c.
October	12.75	12.56	10.81	9.87	11.71	28.00	19.73	1.40c.	1.20c.
November	13.94	12.81	11.12	10.34	12.46	28.00	19.89	1.40c.	1.22c.
December	14.50	12.75	11.25	9.94	11.54	28.00	18.00	1.40c.	1.25c.
January, 1897	14.00	12.75	11.06	9.66	10.77	25.00	15.90	1.40c.	1.22c.
February	13.87	12.75	11.00	9.54	10.72	20.00	15.50	1.40c.	1.20c.
March	12.60	12.60	10.65	9.41	10.57	18.00	15.62	1.40c.	1.20c.
April	11.62	12.12	10.50	8.85	9.91	18.00	14.65	1.25c.	1.14c.
May	11.50	11.87	10.25	8.70	9.52	18.00	13.96	1.25c.	1.04c.
June	11.50	11.75	10.10	8.36	9.74	18.00	14.12	1.25c.	.99c.
July	11.50	11.75	10.19	8.36	9.39	18.00	14.00	1.25c.	.95c.
August	11.55	11.75	10.05	6.29	9.54	18.00	14.29	1.25c.	.99c.
September	12.25	11.87	10.50	8.85	10.04	18.00	15.50	1.25c.	1.07c.
October	13.69	12.00	10.50	9.75	10.70	18.00	16.55	1.35c.	1.15c.
November	13.15	12.00	10.50	9.56	10.52	18.00	15.87	1.35c.	1.15c.
December	12.67	12.00	10.50	9.00	10.09	18.00	15.00	1.35c.	1.15c.
January, 1898	12.50	12.00	10.37	9.00	10.00	18.00	15.00	1.40c.	1.15c.
February	12.50	11.87	10.25	8.97	10.06	18.00	15.12	1.35c.	1.15c.
March	12.50	11.75	10.25	9.06	10.37	18.00	15.37	1.35c.	1.05c.
April	12.44	11.75	10.25	9.22	10.35	18.00	15.30	1.25c.	1.05c.
May	12.00	11.65	10.25	9.12	10.41	18.00	14.94	1.25c.	1.05c.
June	12.00	11.44	10.25	9.14	10.42	17.50	14.75	1.25c.	1.05c.
July	12.00	11.25	10.25	9.11	10.31	17.00	14.75	1.25c.	1.05c.
August	12.05	11.30	10.25	9.19	10.35	18.00	15.62	1.25c.	1.05c.

Defendants' Exhibit No. 18-a
December 17, 1912

AVERAGE YEARLY PRICES OF IRON AND STEEL

The following table gives the average yearly prices of leading articles of iron and steel in Pennsylvania for the years 1893, 1894, 1895, 1896, and 1897. These prices are obtained by averaging monthly quotations, and these have in turn been averaged from weekly quotations. The prices given are per ton of 2,240 pounds, except for bar iron, which is quoted by the 100 pounds.

Articles	1893	1894	1895	1896	1897
Old iron T rails, at Philadelphia.....	$16.43	$11.95	$14.09	$14.16	$12.49
No. 1 foundry pig iron, at Philadelphia.....	14.52	12.66	13.10	12.95	12.10
Gray forge pig iron, at Philadelphia.....	12.73	10.73	11.49	11.09	10.48
Gray forge pig iron, at Pittsburgh.....	11.77	9.75	10.94	10.39	9.03
Bessemer pig iron, at Pittsburgh.....	12.87	11.38	12.72	12.14	10.13
Steel rails, at mills, in Pennsylvania.....	28.12	24.00	24.33	28.00	18.75
Steel billets, at mills, at Pittsburgh.....	20.44	16.58	18.48	18.83	15.08
Best bar iron, from store, at Philada.....	1.70	1.34	1.44	1.40	1.31
Best bar iron, at Pittsburgh.....	1.50	1.20	1.25	1.21	1.10

Defendants' Exhibit No. 19
December 17, 1912

TOTAL PRODUCTION OF FINISHED ROLLED IRON AND STEEL

The total production of iron and steel rails, plates, sheets, wire rods, structural shapes, nail plate, merchant bars, and all other finished rolled products from 1887 to 1910 is given below. Rolled forging blooms and forging billets are included from 1905. Prior to 1892 structural shapes were included with bars, hoops, etc.

Years	Iron and steel rails Gross tons.	Plates and sheets, except nail plate.	Wire rods. Gross tons.	Structural shapes, not including plates.	Nail plate. Gross tons.	Bars, hoops, and all other forms.	Total Gross tons.
1887.	2,139,640	603,355	.....	.....	308,432	2,184,279	5,235,706
1888.	1,403,700	609,827	279,769	.....	289,891	2,034,162	4,617,349
1889.	1,522,204	716,496	363,851	.....	259,409	2,374,968	5,236,928
1890.	1,885,307	809,981	457,099	.....	251,828	2,618,660	6,022,875
1891.	1,307,176	678,927	536,607	.....	223,312	2,644,941	5,390,963
1892.	1,551,844	751,460	627,829	453,957	201,242	2,579,482	6,165,814
1893.	1,136,458	674,345	537,272	387,307	136,113	2,104,190	4,975,685
1894.	1,021,772	682,900	673,402	360,305	108,262	1,795,570	4,642,211
1895.	1,306,135	991,459	791,130	517,920	95,085	2,487,845	6,189,574
1896.	1,122,010	965,776	623,986	495,571	72,137	2,236,361	5,515,841
1897.	1,647,892	1,207,286	970,736	583,790	94,054	2,497,970	7,001,728
1898.	1,981,241	1,448,301	1,071,683	702,197	70,188	3,239,760	8,513,370
1899.	2,272,700	1,903,505	1,036,398	850,376	85,015	4,146,425	10,294,419
1900.	2,385,682	1,794,528	846,291	815,161	70,245	3,575,536	9,487,443
1901.	2,874,639	2,254,425	1,365,934	1,013,150	68,850	4,772,329	12,349,327
1902.	2,947,933	2,665,409	1,574,293	1,300,326	72,936	5,383,219	13,944,116
1903.	2,992,477	2,599,665	1,503,455	1,095,813	64,102	4,952,185	13,207,697
1904.	2,284,711	2,421,398	1,699,028	949,146	61,601	4,597,497	12,013,381
1905.	3,375,929	3,532,230	1,808,688	1,660,519	64,542	6,398,107	16,840,015
1906.	3,977,887	4,182,156	1,871,614	2,118,772	54,211	7,383,828	19,588,468
1907.	3,633,654	4,248,832	2,017,583	1,940,352	52,027	7,972,374	19,864,822
1908.	1,921,015	2,649,693	1,816,949	1,083,181	45,747	4,311,608	11,828,193
1909.	3,023,845	4,234,346	2,335,685	2,275,562	63,746	7,711,506	19,644,690
1910.	3,636,031	4,955,484	2,241,830	2,266,890	45,294	8,475,750	21,621,279

Defendants' Exhibit No. 20
(Page 1)
December 17, 1912

Rolled Iron and Steel (Exclusive of Pig Iron, etc.)

PRODUCTION FOR HOME CONSUMPTION

	Total Consumption in United States in tons	Produced by Corporation for Home Consumption in tons	Produced for Home Consumption. Percentage by Corporation	Percentage of total Production by Corporation
1904	11,081,594	4,723,126	42.6	47.8
1905	16,082,515	7,025,097	43.7	47.3
1906	18,544,026	8,353,627	45.	48.1
1907	18,809,420	8,426,954	44.8	47.5
1908	11,024,290	4,794,020	43.5	47.1
1909	18,654,512	8,603,897	46.1	48.9
1910	20,486,472	9,177,403	44.8	48.1
1911	17,090,306	6,984,060	40.9	45.7

Defendants' Exhibit No. 20
(Page 2)
December 17, 1912

PRODUCTION FOR HOME CONSUMPTION

1911

Total Exports ("Statistics" 1911, Pt.1, P.37)		3,187,725	
*Less Pig Iron	120,799		
Radiators	4,063	124,862	
Total Exports Rolled Iron & Steel			3,062,863
Exported by U.S. Steel Corpn. (Annual Report 1911, p. 26)		1,746,492	
*Less Pig Iron		26,728	1,719,764
Exported by other Companies			343,099
Total Production United States ("Statistics" 1911, Pt.2, p.31)			19,039,171
Produced by U.S. Steel Corpn. (45.7%)			8,703,824
Produced by Other Companies			10,335,347
Total Imports ("Statistics" 1911, Pt.1, p.35)		262,457	
*Less Pig Iron		148,459	
Total imports of rolled iron and steel		113,998	
Total Production United States			19,039,171
Add Total Imports			113,998
Total			19,153,169
Less Total Exports			2,063,863
Total Consumption United States			17,090,306
Total Production by U. S. Steel Corpn.			8,703,824
Less Exports			1,719,764
Production by U.S. Steel Corpn. for Home Consumption			6,984,060

U. S. Steel Corporation produced for Home Consumption 40.9% of Rolled Iron and Steel consumed in the United States.

*NOTE: Pig Iron, etc. deducted from exports and imports because these items are not included in the production figures.

Defendants' Exhibit No. 20
(Page 3)
December 17, 1912

PRODUCTION FOR HOME CONSUMPTION

1910

Total Exports ("Statistics" 1911 p. 37)		1,537,943	
*Less Pig Iron	127,385		
Radiators	2,354	129,639	
Total Exports Rolled Iron and Steel			1,408,304
Exported by U.S. Steel Corpn. (Annual Report 1910, p. 27)		1,223,496	
*Less Pig Iron		6,974	
			1,216,532
Exported by other Companies			191,782
Total Production U. S. (1910, "Statistics" p.100)			21,621,279
Produced by U.S. Steel Corpn. (48.1%)			10,393,925
Produced by Other Companies			11,227,354
Total Imports ("Statistics" 1911, p. 35)			510,730
*Less Pig Iron			237,233
Total Imports of Rolled Iron and Steel			273,497
Total Production United States			21,621,279
Add Total Imports			273,497
			21,894,776
Less Total Exports			1,408,304
Total Consumption United States			20,486,472
Total Production by U. S. Steel Corpn.			10,393,925
Less Export U. S. Steel Corpn.			1,216,532
Produced by U.S. Steel Corpn. for Home Consumption			9,177,403

U. S. Steel Corporation produced for Home Consumption 44.8% of Rolled Iron and Steel consumed in the United States.

* NOTE: Pig Iron, etc. deducted from Exports and Imports because these items are not included in the production figures.

Defendants' Exhibit No. 20
(Page 4)
December 17, 1912

PRODUCTION FOR HOME CONSUMPTION

1909

Total Exports ("Statistics" 1910, p.42)	1,239,709	
*Less Pig Iron	61,989	
Total Exports Rolled Iron and Steel		1,177,720
Exported by U.S. Steel Corpn. (Annual Report 1909, p. 27)	1,009,746	
*Less Pig Iron	8,337	1,001,409
Exported by Other Companies		176,311
Total Production United States ("Statistics" 1910, p. 99)		19,644,690
Produced by U.S. Steel Corpn. (48.9%)		9,605,306
Produced by Other Companies		10,039,384
Total Imports ("Statistics" 1910 p. 40)		363,984
*Less Pig Iron		176,442
Total Imports Rolled Iron and Steel		187,542
Total Production United States		19,644,690
Add Total Imports		187,542
		19,832,232
Less Total Exports		1,177,720
Total Consumption United States		18,654,512
Total Production by U. S. Steel Corpn.		9,605,306
Less Exports " " " " "		1,001,409
Produced by U.S. Steel Corpn. for Home Consumption		8,603,897

U. S. Steel Corporation produced for Home Consumption 46.1% of Rolled Iron and Steel consumed in the United States.

* NOTE: Pig Iron, etc. deducted from Exports and Imports because these items are not included in the production figures.

Defendants' Exhibit No. 20
(Page 5)
December 17, 1913

PRODUCTION FOR HOME CONSUMPTION

1908

Total Exports ("Statistics" 1909, p.40)	964,242	
*Less Pig Iron	46,696	
Total Exports (Rolled Iron and Steel)		917,546
Exported by U.S. Steel Corpn. (Annual Report 1908, p. 26)	799,406	
*Less Pig Iron	21,898	777,508
Exported by Other Companies		140,038
Total Production United States ("Statistics 1909, p. 94)		11,828,193
Produced by U. S. Steel Corpn. (47.1%)		5,571,528
Produced by Other Companies		6,256,665
Total Imports ("Statistics" 1909, p. 38)		205,845
*Less Pig Iron		92,202
Total Imports (Rolled Iron and Steel)		113,643
Total Production U. S.		11,828,193
Add Total Imports		113,643
Less Total Exports		11,941,836
		917,546
Total Consumption of U. S.		11,024,290
Total Produced by U. S. Steel Corpn.		5,571,528
Less Export by U. S. Steel Corpn.		777,508
Produced by U. S. Steel Corporation for Home Consumption		4,794,020

U. S. Steel Corporation produced for Home Consumption 43.5% of Rolled Iron and Steel consumed in the United States.

* NOTE: Pig Iron, etc. deducted from Exports and Imports because these items are not included in the production figures.

Defendants' Exhibit No. 20
(Page 6)
December 17, 1912

1907

Total Exports (1908, p. 39)	1,301,979	
Less Pig Iron	73,703	
Total Exports Rolled I. & S.		1,228,276
Exported by U.S. Steel Corpn. (Annual Rept. 1907, p. 29)	1,014,082	
No pig iron deduction		
Exported by other companies		1,014,082
		214,194
Total Production U. S. (1907, p. 87)		19,864,822
Produced by U. S. Steel Corpn (47.5%)		9,441,036
Produced by other companies		10,423,786
Total Imports (1908, p. 37)		662,349
Less Pig Iron		489.475
Total Imports Rolled I. & S.		172,874
Total Production U. S.		19,864,822
Add Total Imports		172,874
		20,037,696
Less Total Exports		1,228.276
Total Consumption U. S.		18,809,420
Total Produced by U.S. Steel Corpn.		9,441,036
Less Exports		1.014,082
Produced by U.S. Steel Corpn. for Home Consumption		8,426,954

U. S. Steel Corporation produced for Home Consumption 44.8% of the total Rolled Iron and Steel consumed in the United States.

The years 1904 to 1907, inclusive are slightly in error as to tonnages on account of the fact that the Corporation returns for Export for these years do not separate Pig Iron. The percentages are not materially affected.

Defendants' Exhibit No. 20
(Page 7)
December 17, 1912

1906

Total Exports (1907, p. 36)	1,325,740	
Less Pig Iron	83,317	
Total Exports Rolled Iron and Steel		1,242,423
Exported by U.S. Steel Corpn. (Annual Report 1906, p. 26)	1,079,319	
No pig iron deduction		1,079,319
Exported by other companies		163,104
Total Production U. S. (1906, p. 82)		19,588,468
Produced by U. S. Steel Corpn (48.1%)		9,432,946
Produced by other companies		10,155,522
Total Imports (1907, p. 34)		577,809
Less Pig Iron		379,828
Total Imports Rolled Iron and Steel		197,981
Total Production U. S.		19,588,468
Add Total Imports		197,981
		19,786,449
Less Total Exports		1,242,423
Total Consumption U. S.		18,544,026
Total Produced by U. S. Steel Corpn.		9,432,946
Less Exports		1,079,319
Produced by U. S. Steel Corpn. for Home Consumption		8,353,627

U. S. Steel Corporation produced for Home Consumption 45% of the total Rolled Iron and Steel consumed in the United States.

The years 1904 to 1907, inclusive are slightly in error as to tonnages on account of the fact that the Corporation returns for Export for these years do not separate Pig Iron. The percentages are not materially affected.

Defendants' Exhibit No. 20
(Page 8)
December 17, 1912

1905

Total Exports (1906, p. 34)	1,010,255	
Less Pig Iron	49,221	
Total Exports Rolled Iron and Steel		961,034
Exported by U. S. Steel Corpn. (Annual Report 1905, p. 24)	953,858	
No pig iron deduction		953,858
Exported by other companies		7,176
Total Production U. S. (1905, p. 80)		16,840,015
Produced by U. S. Steel Corpn. (47.3%)		7,978,955
Produced by other companies		8,861,060
Total Imports (1906, p. 35)		416,000
Less Pig Iron		212,466
Total Imports Rolled Iron and Steel		203,534
Total Production U. S.		16,840,015
Add Total Imports		203,534
		17,043,549
Less total Exports		961,034
Total Consumption U. S.		16,082,515
Total produced by U. S. Steel Corpn.		7,978,955
Less Exports		953,858
Produced by U. S. Steel Corpn. for Home Consumption		7,025,097

U. S. Steel Corporation produced for Home Consumption 43.7% of the total Rolled Iron and Steel consumed in the United States.

The years 1904 to 1907, inclusive are slightly in error as to tonnages on account of the fact that the Corporation returns for Export for these years do not separate Pig Iron. The percentages are not materially affected.

Defendants' Exhibit No. 20
(Page 9)
December 17, 1912

1904

Total Exports (1905, p. 27)	1,167,710	
Less Pig Iron	49,025	
Total Exports Rolled Iron and Steel		1,118,685
Exported by U. S. Steel Corpn. (Annual Report 1904, p. 23)	1,021,672	
No pig iron deduction		1,021,672
Exported by other companies		97,013
Total Production U. S. (1905, p. 79)		12,013,381
Produced by U. S. Steel Corporation (47.8%)		5,744,798
Produced by other companies		6,268,583
Total Imports (1905, p. 28)		266,398
Less Pig Iron		79,500
Total Imports Rolled Iron and Steel		186,898
Total Production U. S.		12,013,381
Add Total Imports		186,898
		12,200,279
Less Total Exports		1,118,685
Total Consumption U. S.		11,081,594
Total Production by U. S. Steel Corpn.		5,744,798
Less Exports		1,021,672
Produced by U. S. Steel Corpn. for Home Consumption		4,723,126

U. S. Steel Corporation produced for Home Consumption 42.6% of the total Rolled Iron and Steel consumed in the United States.

The years 1904 to 1907, inclusive are slightly in error as to tonnages on account of the fact that the Corporation returns for Export for these years do not separate Pig Iron. The percentages are not materially affected.

Defendants' Exhibit No. 21.

(December 17, 1912.)

Statistics of the American and Foreign Iron Trades for 1905.

(It was agreed among Counsel that the above exhibit was not to be printed.)

Defendants' Exhibit No. 22.

(January 22, 1913.)

NOVEMBER 7, 1907.

MY DEAR MR. SECRETARY:

At the recent interview at the White House between the President, yourself, Mr. Frick, and myself, I stated, in substance, that our corporation had the opportunity of acquiring more than one-half of the capital stock of the Tennessee Coal, Iron & Railroad Co. at a price somewhat in excess of what we believed to be its real value, and that it had been represented that if the purchase should be made it would be of great benefit to financial conditions, and would probably save from failure an important business concern; that under the circumstances Mr. Frick and I had decided to favor the proposed purchase of stock unless the President objected to the same. I further stated that the total productive capacity of our companies would not be materially increased by the ownership of the properties of the Tennessee Co., and, after the purchase, would probably not amount to more than 60 per cent of the total steel production in this country, which was about the percentage of our companies at the time of the organization of the United States Steel Corporation; that our policy was opposed to securing a monopoly in our lines or even a material increase of our relative capacity. I understood the President to say that while he would not and could not legally make any binding promise or agreement he did not hesitate to say from all the circumstances as presented he certainly would not advise against the proposed purchase.

If consistent will you kindly write me if the above statement is in accordance with your understanding and recollection?

Sincerely, yours,

E. H. Gary.

Defendants' Exhibit No. 23.

(January 22, 1913.)

November 11, 1907.

My Dear Mr. Gary:

I have your letter of November 7. It fully agrees with my recollection of the interview to which you refer, in which you stated to the President the circumstances under which the United States Steel Corporation had been asked to relieve the financial situation by purchasing a majority of the stock of the Tennessee Coal, Iron & Railroad Co. I have sent a copy of your letter, with this answer, to the President, with a recommendation that it be transmitted to the Department of Justice for filing there.

Very sincerely, yours,

Elihu Root.

Defendants' Exhibit No. 24.

(January 22, 1913.)

November 20, 1907.

Dear Mr. Gary:

I enclose a copy of a letter which I have sent to the President enclosing a copy of your letter of November 7, and a copy of the President's answer. You have a complete copy of what you will be able to find upon the files of the Department of Justice if any occasion arises.

Very sincerely, yours,

Elihu Root.

Defendants' Exhibit No. 25.

(January 22, 1913.)

November 11, 1907.

Dear Mr. President:

I transmit herewith a copy of a letter from Mr. E. H. Gary, president of the United States Steel Corporation, dated November 7, 1907, received by me on the following day. You will perceive that it relates to the interview which Mr. Gary had with you last week regarding the purchase by his company of the capital stock of the Tennessee Coal, Iron & Railroad Co. I send also a copy of my answer to Mr. Gary and recommend that these papers be sent to the Department of Justice and placed upon the files of that department.

Very truly, yours,
Elihu Root.

Defendants' Exhibit No. 26.

(January 22, 1913.)

November 19, 1907.

My Dear Mr. Secretary:

I am in receipt of your letter of the 11th instant and enclosures, and have forwarded them to the Attorney General to be placed on the files of the Department of Justice, together with a copy of this letter. Mr. Gary states the facts as I remember them.

Very truly, yours,
Theodore Roosevelt.

Defendants' Exhibit No. 27.

(January 22, 1913.)

DEPARTMENT OF COMMERCE AND LABOR.
BUREAU OF CORPORATIONS.
WASHINGTON.

NOVEMBER 9, 1905.

MY DEAR JUDGE GARY:

I enclose a brief, informal memorandum of the conference with the President, held on the evening of November 2d, thinking it well to preserve such a record. It has been submitted to both the President and to the Secretary and meets with their approval. Will you kindly advise me whether it meets with yours.

Very truly yours,
(Signed) JAMES RUDOLPH GARFIELD.

JUDGE E. H. GARY,
Empire Building,
New York, N. Y.

Enclosure.

Defendants' Exhibit No. 28.

(January 22, 1913.)

NOVEMBER 4, 1905.

CONFERENCE AT WHITE HOUSE, EVENING OF NOVEMBER 2, 1905.

Present: THE PRESIDENT,
SECRETARY METCALF,
JUDGE GARY,
MR. RICHARD TRIMBLE,
COMMISSIONER GARFIELD.

Judge Gary stated very fully the position of the United States Steel Corporation, which in brief is:

That it does not raise the question of the constitutionality of the law; it desires to co-operate with the Govern-

ment in every possible way that is consistent with the proper protection of the interests of its stockholders in their rights and property; the main point questioned is the use and disposition of certain detailed information given by the Corporation, and the possibilities of the misuse of such information in case it were left as a permanent record in the Bureau.

Mr. Garfield stated that the purpose of the investigation is to afford the President full information of all facts relating to the organization, conduct, and management of the Corporation, upon which recommendations for legislation might be made; he outlined the policy adopted by the Bureau, and the methods which it had so far used, in this and other investigations.

A number of special questions as to the use of detailed information referred to by Judge Gary, such as detailed costs and profits, were carefully discussed.

The President spoke of the question of overcapitalization, not as applying directly to the Steel Corporation, but generally, and stated that it is of course usually impossible to undo that which has already been done, but that on this, as on other matters, the work of the Bureau is for the present and the future. In answer, Judge Gary stated that if from the facts obtained Mr. Garfield was satisfied that the United States Steel Corporation was overcapitalized, it would be his duty so to state, and that the Steel Corporation could not be punished in any more severe way than by such publicity.

In conclusion, it was determined that all information requested would be furnished by the United States Steel Corporation, and full opportunity would be given for the inspection of all books and records of the Corporation; that thereafter any questions relative to the use, publication, and disposition of material which Judge Gary might deem confidential would be considered by him and Commissioner Garfield, and that if there should be a disagreement between them the matter should be referred to Secretary Metcalf and, if necessary, ultimately to the President for determination.

Defendants' Exhibit No. 29.

(January 29, 1913.)

PIG IRON PRODUCTION BY GRADES BY THE UNITED STATES STEEL CORPORATION AND BY THE INDEPENDENT COMPANIES FROM 1901 TO 1910, INCLUSIVE.

Compiled by the Bureau of Statistics of the American Iron and Steel Institute, 261 South Fourth St., Philadelphia.

FERRO MANGANESE—The manufacture of Ferro Manganese in the United States has in late years been confined almost exclusively to the United States Steel Corporation, which consumes in its own steel works virtually all of the Ferro Manganese it makes. Our understanding is that during the past five years it consumed about 98 per cent. of the quantity it made, but that prior to 1907 it sold to other steel makers about 15 per cent. of its Ferro Manganese output. Owing to the increase in its own requirements, and to its inability to increase its output of Ferro Manganese caused chiefly by the difficulty in securing an adequate supply of Manganese Ore, practically all of which is imported, it has been able in late years to barely supply its own needs for this necessary alloy. Very small quantities of Manganese Ore are mined in this country. The reports of the United States Geological Survey show that in 1910 the output of Manganese Ore in the United States amounted to but 2,258 gross tons, while the imports amounted to 242,348 tons. It is therefore necessary for the Corporation to depend almost entirely upon foreign countries for the Manganese Ore it consumes. The annual production of Ferro Manganese by the Corporation is equivalent to the output of about two blast furnaces, running normally. Practically all of the Ferro Manganese produced by the Corporation is turned out by the Carnegie Steel Company, which was a pioneer in the manufacture of this alloy in this country. It is also the only company in the United States that has made Ferro Manganese in fairly large quantities.

Defendants' Exhibit No. 30.

(January 29, 1913.)

IMPORTS OF FERRO-MANGANESE INTO THE UNITED STATES FROM 1901 TO 1910

AND VALUE AT FOREIGN PORT OF SHIPMENT

Figures furnished to the American Iron & Steel Association by the Bureau of Statistics of the Department of Commerce & Labor at Washington, D. C. and verified by the Department.

Years	Gross tons Imported	Value at port of Shipment	Authority
1901	20,751	$ 870,828	American Iron & Steel Association's Annual Report for 1903, page 27.
1902	50,388	1,818,036	
1903	41,518	1,699,666	
1904	21,814	707,037	Report for 1906, page 35
1905	52,841	1,884,651	Report for 1907, page 35
1906	84,359	4,953,644	Report for 1908, page 38
1907	87,400	5,354,656	
1908	44,624	1,860,664	
1909	88,934	3,396,381	Report for 1911, page 36
1910	114,278	4,341,071	

Defendants' Exhibit No. 31.

(March 11, 1913.)

(Extract from minutes of the Carnegie Steel Company for October 16, 1900.)

Experiments in Tube Making.

Mr. Schwab: When I was in Scotland I talked with Mr. Carnegie, Mr. Lauder and others, in reference to proceeding with our improvements, and at some length discussed the question of tubes. I have had in view for some time a plan for making a seamless tube, which can be sold as against a welded tube. The matter is largely an experimental one, and I am not yet prepared to make a recommendation. I have, however, seen Mr. Miller, of the Shelby Steel Tube Company, and have gone over the plans with him, and he is willing to equip a mill, using such parts as he has, which will enable us to roll tubes according to my plan. It seems to me, before going into an expenditure of such magnitude as tubes require, we must have some more definite information. Mr. Miller reports it will cost $40,000 to put in the machinery necessary for this experiment. He is willing to make the experiments if we will stand one-half the expense.

We have everything to gain, because if successful, we will go ahead with our plans.

I would like to have the authority of the board for, and would strongly recommend, the making of such an arrangement with the Shelby Company.

The board should understand this company does not make the class of tubes we are considering. This expenditure means the addition of a finishing mill, which would take the tube from the point where they start to draw it.

Mr. Gayley: Where does this benefit Mr. Miller?

Mr. Schwab: He has been working on the idea of combining his tube works with ours when we build it. I have not recommended this, but have not told him we would not do this.

After a little further discussion as to the details of the plan, it was moved by Mr. Phipps, seconded by Mr. Morrison, that the President be authorized to expend the sum of $20,000, in connection with a like expenditure on the part of the Shelby Tube Company, in experimenting on the manufacture of seamless tubes.

The motion was carried, the vote being unanimous.

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